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**TECHNICAL INSPECTION REPORT
CORRECTIVE ACTION MANAGEMENT UNIT (CAMU)
PHASE 1 CELL
ASARCO EAST HELENA**



Prepared By:



Hydrometrics, Inc.
consulting scientists and engineers

**AUGUST 2006
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TECHNICAL INSPECTION REPORT
CORRECTIVE ACTION MANAGEMENT UNIT (CAMU)
PHASE 1 CELL
ASARCO EAST HELENA

Prepared for:
Asarco LLC
P.O. Box 1230
East Helena, MT 59635

Prepared by:
Hydrometrics, Inc.
3020 Bozeman Avenue
Helena, MT 59601

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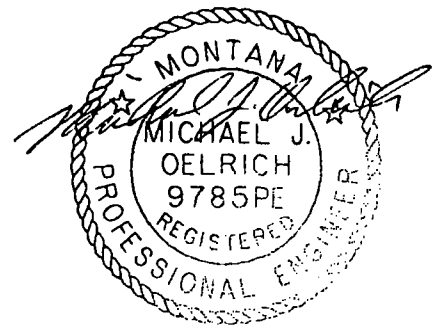


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RESPONSES TO COMMENTS ON THE AUGUST 2006 REPORT

Response to Linda Jacobson's Comments

Comment 1: Do you check the leak detection system as well as the leachate collection system? If so, this information should be included in the CAMU evaluation report. Did you establish an Action Leakage Rate for the liners?

Response: Both the leak detection and leachate collection systems have been and are being checked on a regular basis. This statement has been added to the report. The amount of leachate removal from each of these drain systems has been clarified in Appendix C of the report. There has been no Action Leakage Rate established for the liners. During this first 5-year inspection period, it is not possible to determine the volume of leachate being removed from leakage through the impounded material and how much was simply storm water that entered the drainage systems during construction and was never completely evacuated. This statement is mentioned in Section 2.1 of the report. According to EPA guidance (Survey of Technologies for Monitoring Containment Liners and Covers, 2004), leachate levels generally fall to a negligible level in 10 years or less. Therefore, now that the two collection systems are being thoroughly evacuated on a regular basis, trend data will be developed during the coming year that may suggest an action level.

Comment 2: What was meant by the statement that one of the riser pipes was displaced?

Response: Exterior and interior jointed pipes were used to form the risers that service the leak detection and leachate collection systems. Over time, the joints on the exterior riser pipes became displaced and the connecting collars on the interior riser pipes shifted. These conditions prevented accurate water level measurements and efficient removal of collected water. In February 2006 and May 2006, portions of exterior riser pipes were repaired and both interior risers pipes were replaced with one-piece, thick-walled tubing. The repairs and replacements greatly improved the ability to accurately measure water levels and pump collected water from both systems.

Comment 3: Is there truly a non-impacted upgradient well, given the groundwater flow direction arrows drawn on the potentiometric map and the appearance of a slight bedrock high beneath the existing CAMU cell itself? If so, which well(s) was designated as the upgradient and which are the downgradient wells?

Response: An additional trend plot of water levels in CAMU wells trend plot is provided in Appendix A, which indicates that of the CAMU Phase I Cell area monitoring wells, Well MW-6 has the highest groundwater level based on data collected from November 2000 through May 2006. As shown in Figure 2-2 of the July 2000 "Design Analysis Report" an apparent groundwater divide was detected beneath the Phase I CAMU cell with wells MW-6, MW-2 and MW-3 all having groundwater elevations within 1 foot of each other. Figure 2-2 also shows a northward groundwater flow direction in 2000 along the northern portion of the CAMU area, which is generally consistent with regional groundwater flow. However, there also appeared to be a localized southerly flow direction along the southern boundaries of the CAMU area. This apparent groundwater divide in the CAMU area suggests that Upper Lake may be controlling the potentiometric surface in this area. The trend graph (see response to Comment 5 below) is also suggestive of Upper Lake's influence in the area, particularly for Alluvial Well MW-6 and nearby ash wells MW-2 and MW-3. However, it is likely recharge is limited by the low permeability of the ash unit in this area.

Recent 2006 data that includes new monitoring wells associated with the Phase II CAMU cell suggest a potentiometric surface low in the Phase II cell area. This apparent low can be interpreted as a result of the meeting of two potentiometric influences: (1) groundwater recharge from the direction of the hills to the south and west of the CAMU area, and (2) local recharge from Upper Lake to the east of the area.

Review of monitoring well logs and cross-sectional data may also suggest this interpretation of the data may be misleading and that water levels in the ash unit are layered or perched, and may not be really representative of groundwater flow in the area. Often, wells that were drilled the deepest are also associated with lower groundwater elevations, suggesting the

possibility that the ash unit behaves as a layered perched unit with water elevations being more sensitive to depths and screened intervals than wells completed in more permeable strata in the East Helena Plant site area.

Comment 4: Why did you stop monitoring MW-6 in 2004 or stop reflecting those monitoring events for this well on your trend plot?

Response: In 2005 and spring 2006, only groundwater levels were measured for about 10 selected wells at the East Helena site. EPA was notified of this change in the monitoring plan in late 2004 and approved the changes. These wells, including MW-6, were selected for this change in the monitoring program because they were considered redundant to other monitoring wells in the program, and did not necessarily provide additional information that was not already available by other monitoring wells in the program. This change included MW-6 and MW-7 because up-gradient or down-gradient water quality information was provided primarily by the four wells located immediately adjacent to the CAMU (MW-1, MW-2, MW-3 and MW-4). Water quality sampling for MW-6 and MW-7 was added to the Fall 2006 sampling program and water quality data for these wells will be available for this sample event.

Comment 5: Do you also wish to evaluate seasonal impacts and impacts from Upper Lake water levels on well parameter trends?

Response: Trend graphs for seasonal water level trends in the monitoring wells are located in Appendix A. In general, the trends are variable with some wells showing upward trends in recent years and some showing variable or downward trends. Although there are no recent data for water levels in Upper Lake, Alluvial well DH-20, located adjacent to Upper Lake shows a generally upward trend since 2004 through 2006. A similar trend is observed in upgradient alluvial well MW-6, and in Ash wells MW-2 and MW-3 near the Phase I CAMU cell. As noted in the report, these wells show at least some influence on water level elevations from Upper Lake. The mildly elevated arsenic (0.01 mg/l to 0.013 mg/l in MW-2) in MW-2 and MW-3 may be a result of water level increases in normally dry volcanic ash

strata during this period. However, sulfate concentrations remained similar to pre-2004 concentrations.

It is not clear if seasonal trends in arsenic and sulfate directly correspond with elevation changes in groundwater. Wells DH-20, MW-6, MW-2, and MW-3 all showed a water level increase in May 2003 followed by more typical water levels in Fall 2003. This compares with a "spike" in arsenic and sulfate in May 2004 in MW-2 (0.01mg/l to 0.023mg/l) and MW-3 (0.01 mg/l to 0.13 mg/l), suggesting a delayed response to increased water levels. However, alluvial well DH-6 showed a decrease in arsenic concentrations (0.02 mg/l to 0.017 mg/l) in fall 2004. These concentration changes are very minor and are within the range of upgradient water quality observed at the East Helena site at other locations.

Comment 6: What monitoring, statistical analysis, and notification procedures were required by EPA as part of the long-term CAMU monitoring program? I checked the July 2000 Design Analysis Report for the CAMU, Appendix K, and found reference to a Sampling and Analysis Plan to be developed pending review of the final design plan. Would you please send me a copy of this SAP electronically, give me a hard copy next week, or reference me to the date of its submission so that I could check the files?

Response: A CAMU specific SAP was to be prepared in 2001; however, this document was not completed. Instead, the CAMU monitoring network was incorporated into the post-RI sampling program. Samples have been collected and analyzed using the same procedures as the post-RI program. A CAMU specific SAP is presently being prepared and will be submitted subsequent to this comment response as a separate document. It will also include a re-evaluation of the monitoring, statistical analysis and notification procedures, consistent with RCRA guidance, for both the new and existing CAMU cells.

Response to Randy Breeden's Comments

Comment 1: The report contains only one ground water potentiometric map, and it has no date associated with it. The map indicates a linear ground water high extending in an east-west orientation directly under the CAMU, causing a ground water divide directly beneath the unit. This is an interesting phenomena and it would be interesting to see if it exists for all of the other times that ground water elevations were measured. Therefore, it would be very beneficial to have a potentiometric map for each time the wells were sampled and ground water level measurements were taken. Those maps will indicate any temporal and spatial variations in ground water flow and will help defining up-gradient and down-gradient directions. It would also be beneficial to include the actual ground water level data in an appendix or provided on disk.

Response: Two additional maps, a trend graph of the seven CAMU wells, and the groundwater data that you have requested have been added to Appendix A to supplement the potentiometric map from July 2000 included in the original report. Included in the revised report is a potentiometric map from May 2005, a potentiometric map from November 2006 that includes the three new monitoring wells drilled in 2006, and stratigraphic cross sections. In general, the 2006 data are suggestive of a potentiometric depression in the area of the Phase II CAMU cell. This apparent low can be interpreted as a result of the meeting of two potentiometric influences: (1) groundwater recharge from the direction of the hills to the south and west of the CAMU area, and (2) local recharge from Upper Lake to the east of the area.

Review of monitoring well logs and cross-sectional data suggest this interpretation of the data may be misleading and that water levels in the ash unit are layered or perched in and may not be representative of regional groundwater flow in the area. Although additional figures showing potentiometric contours for May 2005 and November 2006 demonstrate one interpretation of the local groundwater system in the area of the CAMU, alternative interpretations are possible due to the nature of the system. Often, wells that were drilled the deepest are also associated with lower groundwater elevations, suggesting the possibility

that the ash unit behaves as a layered perched unit with water elevations being more sensitive to depths and screened intervals than wells completed in more permeable strata in the East Helena Plant site area.

Comment 2: The report states that the Mann-Kendall non-parametric statistical test was conducted for the wells, and that wells MW-2, MW-3, and MW-4 indicated a statistically valid increasing trend when all of the data is used for the calculations. The report states that if that May 2004 spike is not included in the calculations, then the test fits within the expected seasonal variability. However, the calculations are not contained in the report, so it not possible to verify those conclusions. It would be beneficial to have the calculations included in an appendix or provided on a disk.

Response: The calculations that you requested and an electronic copy have been added to Appendix A.

Comment 3: The analytical data for wells MW-1, MW-2, and MW-3 show a spike in arsenic and sulfate concentrations for the May 2004 sampling period where as the remaining wells do not. There is no explanation for this spike, and in my estimation, it could be associated with an unusually high precipitation event that may have had a temporary impact on ground water flow. Therefore, it would be beneficial to include the weekly precipitation data for the area included in an appendix or provided on disk.

Response: See response to Comment 5 Above. Precipitation data are included in Appendix C but there does not appear to be a specific event that fits the "spike" data. A review of the USGS flow records for Prickly Pear Creek was also conducted; however, the database for Prickly Pear Creek is only through September 2002. As described in Comment 5 above, we reviewed the possibility of a rise in water elevation in May 2003 and the arsenic data spike in May 2004; however, it is not clear that a delay of one year is reasonable effect to expect.

TECHNICAL INSPECTION REPORT
CORRECTIVE ACTION MANAGEMENT UNIT (CAMU)
PHASE 1 CELL
ASARCO EAST HELENA

1.0 INTRODUCTION

The Corrective Action Management Unit Phase 1 Cell (CAMU) is a Subtitle C landfill located near the Asarco East Helena Plant, south of East Helena in west central Montana. The CAMU was constructed in 2001 to dispose of soils, sediments and demolition debris resulting primarily from site remedial cleanup activities at the plant.

Listed from bottom to top, the CAMU consists of the following components. A well-compacted subgrade underlies a bottom composite liner constructed from three feet of compacted clay and two 60-mil HDPE liners. The upper 60-mil HDPE liner separates the bottom leak detection and the upper leachate collection layers. These two layers are both constructed from 250-mil geonet drainage materials. Above the leachate collection layer is a geotextile layer separating the geonet from up to 20 feet of waste soil. Over the waste soil there is a composite cap constructed from a geosynthetic clay liner and a 40-mil HDPE liner. A cap drainage layer was constructed over these liners from one-foot of clean sand. This layer is protected by two feet of cover soil and six-inches of topsoil vegetated with a grass cover.

Regulations under Subtitles C and D identify several common methods for measuring the performance of landfill liner and cover systems. The purpose of this report is to document the results of this performance measurement for the CAMU during the 5-years since it was constructed.

2.0 LANDFILL PERFORMANCE MEASUREMENT

Common methods for measuring landfill performance include the tracking of leachate volumes removed from the collection and detection layers, measurement of water quality in downgradient monitoring wells, and visual inspection of the landfill cover. While measurement of leachate volume and groundwater quality provide quantifiable data for evaluation of landfill performance, visual site inspections provide qualitative insurance that settlement, erosion, or undesirable vegetation has not compromised the cover liners and landfill cap.

2.1 LEACHATE VOLUMES

The long-term performance of the cover is determined by observing the level of leachate that is produced in a landfill cell. After cell closure, leachate levels generally fall to a negligible level in 10 years or less. If leachate levels do not exhibit a downward trend with time, then it can be assumed that the integrity of the cover has been compromised. Both the leak detection and leachate collection systems have been and are being checked on a regular basis. Appendix C contains the volume of leachate removed from both the leak detection and leachate collection systems during the past five years. During that time, Asarco has had trouble with removal of leachate from the two collection systems because of the size of the pump that was being used and because of a displacement in one of the collection system riser pipes. Although missing data prevents a precise reporting of the volume of leachate that has been extracted from the two collection systems in the landfill, the measured volume is almost 41,000 gallons.

During construction, the leachate collection systems were exposed to several precipitation events before the cap was in place. Figure 2-1 shows one of these events.

As shown in Table 2-1, precipitation during the months of August, September, and October 2001 when the cell was open totaled 2.35 inches. This rainfall amount over the cell footprint area of 4.75 acres would produce a total volume of water in the open cell of over 300,000

gallons. Therefore, even if the measured leachate volumes are only half of what was actually removed from the collection layers, it is still much less than the amount of rainfall that fell into the open cell during landfill construction. In fact during the month of August alone, precipitation accounted for 75 percent more than the known recovered volume of leachate, which suggests that the volume of leachate removed to date is reasonable and should cause no alarm.

FIGURE 2-1. PRECIPITATION PONDING IN LEACHATE COLLECTION SUMP



TABLE 2-1. PRECIPITATION AMOUNTS IN 2001

Month	Precipitation (inches)	Landfill Volume (gallons)
August	.43	55,426
September	1.38	177,879
October	.54	69,605
Totals	2.35	302,911

Asarco has repaired the displacement in the riser pipe and is now using a smaller capacity pump, which has improved their ability to evacuate the leachate collection sumps and their ability to monitor the amount of leachate removed from the landfill. Leachate levels in the

two systems were measured during this inspection and were found to be ponding less than half of a foot over the liners outside of the collection sump.

2.2 MONITORING WELLS

The accepted practice for monitoring the performance of the bottom liner system is to sample groundwater monitoring wells at the down gradient edge of a containment unit that are screened within the uppermost aquifer and look for changes in groundwater quality that might indicate a release is occurring. Appendix B contains the groundwater monitoring records that have been collected during the past five years.

As shown in Figure 2-2, monitoring wells have been installed around the CAMU site to monitor chemical constituent levels of area groundwater. Wells MW-1, MW-2 and MW-3 were completed in June 1997 and wells MW-4 through MW-7 were completed in May 2000. Initial groundwater quality samples were taken in November 2000, allowing sufficient time for constituent concentration levels to stabilize following well installation and development activities. Subsequent samples have been collected on a semiannual basis. Time-concentration plots of selected constituents are in Appendix B, including calcium, magnesium, lead, sulfate, arsenic, pH, TDS and SC. Observed trends for two indicator parameters commonly used to evaluate water quality at the Asarco East Helena site, dissolved arsenic and sulfate, are discussed below.

Figure 2-3 shows dissolved arsenic concentration trends for wells MW-1 through MW-7. Linear best-fit trend lines for the arsenic data in Figure 2-3 suggest either no trend (flat slope) or a very slight upward trend. A statistical trend test (the Mann-Kendall nonparametric test) was conducted on the dissolved arsenic data for each well to assess whether or not each well currently exhibits a statistically significant trend over time. Based on the Mann-Kendall trend test results, three wells (MW-2, MW-3, and MW-4) are showing weak increasing trends. However, examination of the data sets suggests that a one time spike in dissolved arsenic occurred in May of 2004 and that if this data point is excluded, the differences in high and low measurements of arsenic are very small and fall within expected analytical or



SCALE
0 IN FEET 200

LEGEND

- MW-6 ● MONITORING WELL LOCATION
3907.86 GROUNDWATER ELEVATION (7/21/00)
- 3880 — POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRID)
- GENERALIZED GROUNDWATER FLOW DIRECTION

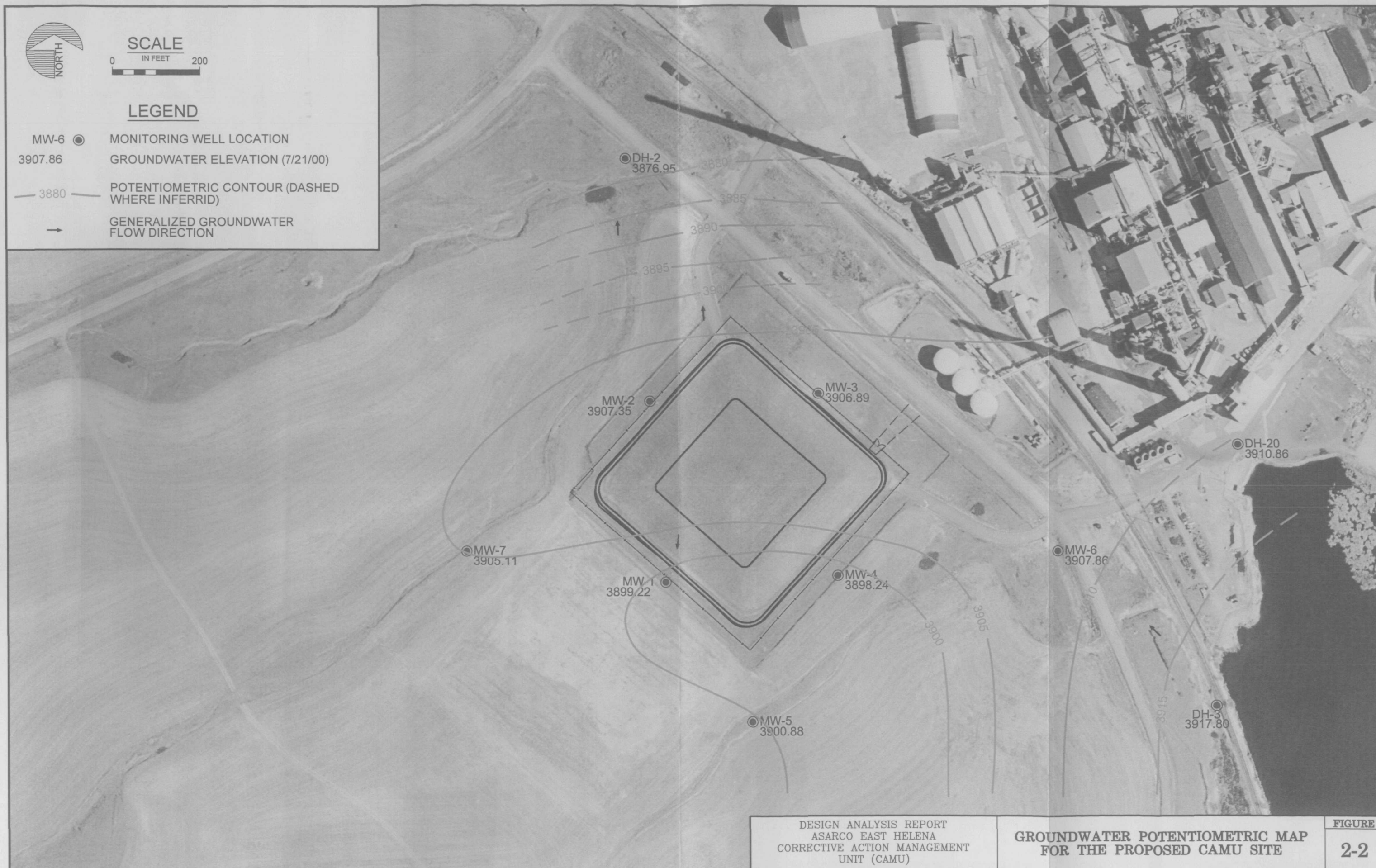
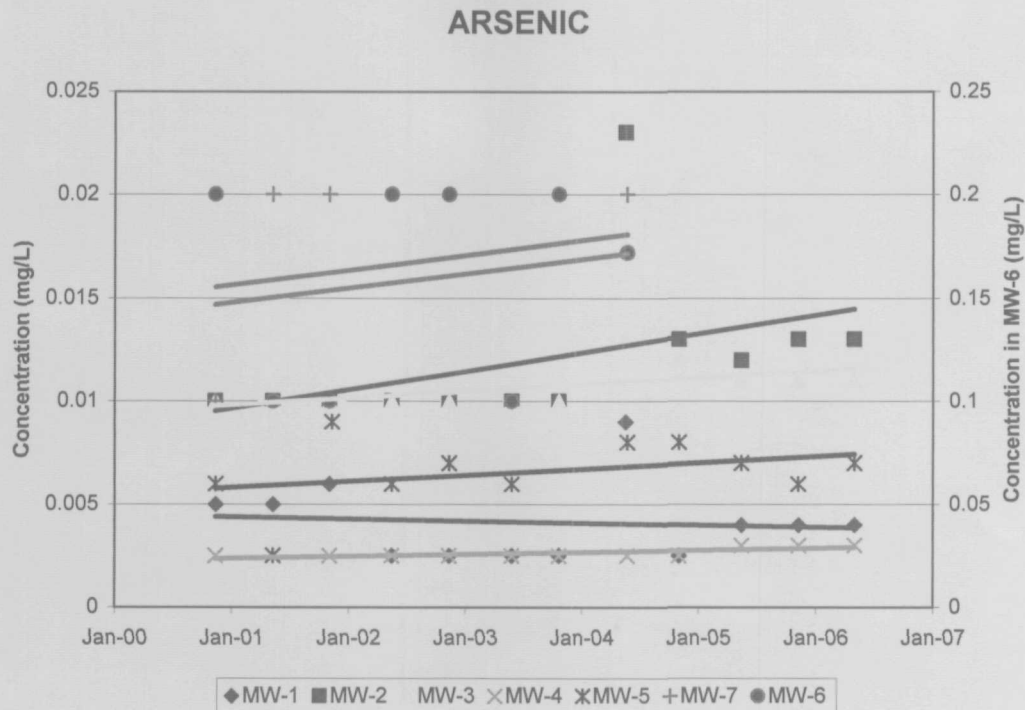


FIGURE 2-3. ARSENIC CONCENTRATION TRENDS



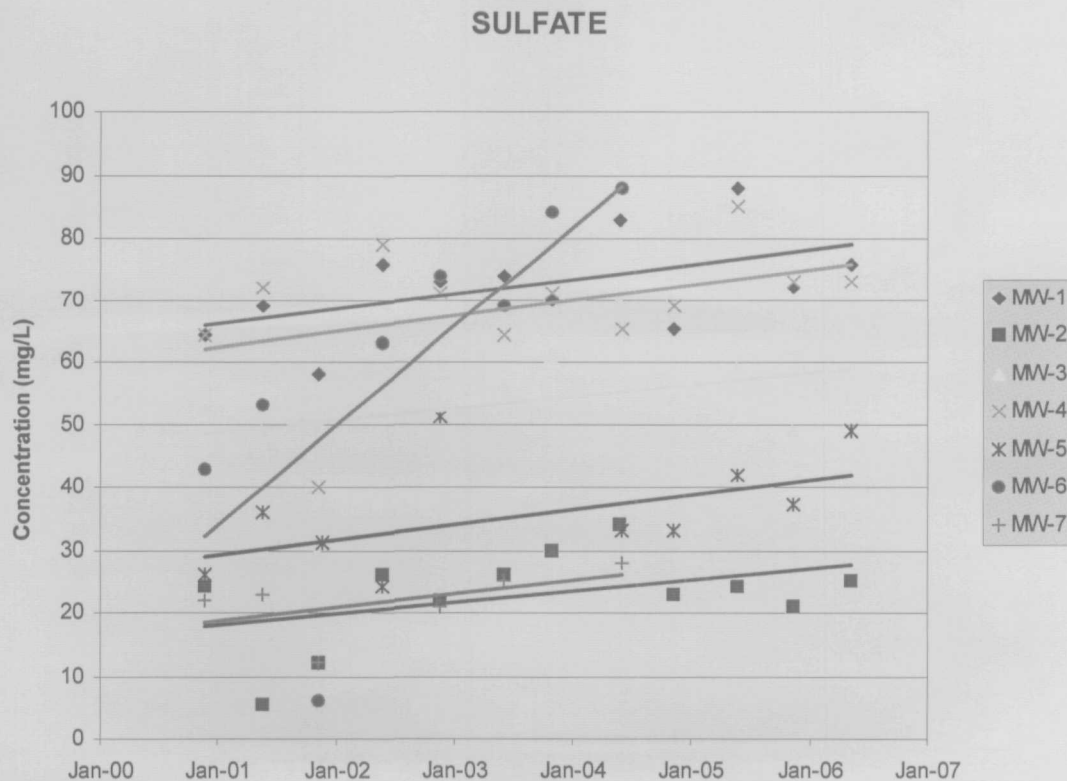
seasonal variability. Therefore, the data does not indicate impacts to the groundwater from the CAMU. It is also very possible that because of the low permeability of these wells, which are typically completed in the lower portion of the ash unit that underlies the landfill, the earlier data reflect the needed use of fresh water necessary for well completion, while the later data reflect the wells gradual adjustment to more representative natural water quality conditions. Comparing the initial results with the most recent results shows the following:

- If the 0.023 mg/L concentration recorded for May of 2004 is excluded, Arsenic concentrations for well MW-2 ranged from <0.01 to 0.013 mg/L;
- Arsenic concentrations for well MW-3 ranged from <0.01 to 0.011 mg/L; and
- Arsenic concentrations for well MW-4 ranged from <0.005 to 0.003 mg/L (an artifact resulting from the replacement of less than detect values with $\frac{1}{2}$ the detection limit for statistical testing).

Sulfate concentration trends for each monitoring well are shown in Figure 2-4. Similar to arsenic, most of the wells show at least a slight increasing trend based on a linear best-fit trend line. Trend testing for the sulfate data set using the Mann-Kendall test that was cited previously shows a statistically significant increasing trend only for the upgradient well MW-6. However, the trends for sulfate in general are stronger in a statistical sense than those indicated for dissolved arsenic. Similar to the arsenic data, changes in sulfate concentrations over time could represent a gradually adjustment from the effects of drilling water used in the construction of the wells.

MW-6 has higher concentrations than other CAMU monitoring wells for most chemical constituents tested. The local potentiometric map (Figure 2-3) generally indicates that the CAMU is downgradient from well MW-6, and thus would not be expected to affect the concentrations at MW-6.

FIGURE 2-4. SULFATE CONCENTRATIONS TRENDS



2.3 INSPECTION FINDINGS

Appendix C contains records of the visual site inspections. Asarco has conducted site inspections monthly and will have the site inspected by an engineer every five years. The first of this latter type of inspection took place on 7/10/2006. As shown in Figure 2-5, the condition of the vegetation throughout the entire site is well established and no signs of noxious weeds were noted. No erosion, seepage or surface cracking is apparent on the entire CAMU. Storm water conveyances are clean, and show no signs of erosion or blockage due to vegetation or sedimentation. Security of the site is good and public access is prohibited. The monitoring wells are equipped with locked lids and the perimeter fence is in good condition and is kept locked. There were only two minor items of note. There is a mouse burrow located near the toe of the northeast slope that needs to be monitored to ensure that mice do not infest the CAMU itself. Rodenticides are being used to control mice population in the CAMU. In addition, a plastic, corrugated drainpipe on the northeast toe of the CAMU slope was exposed and cracked in several places. Asarco has already repaired this pipe.

FIGURE 2-5. ASARCO EAST HELENA CAMU



3.0 SUMMARY

The three most common methods for measuring landfill performance include the tracking of leachate volumes removed from the collection and detection layers, measurement of water quality in down gradient monitoring wells, and visual inspection of the landfill cover. Asarco has regularly been inspecting the landfill cover no less than monthly and is maintaining the site well. Asarco has also been measuring water quality in the monitoring wells semi-annually and the results show no indication of any impacts to the underlying groundwater from the CAMU. Problems associated with leachate removal from the two collection systems have resulted in sporadic measurement of the leachate volume and incomplete performance data. However; Asarco has now addressed these problems and in the future should be able to provide accurate leachate generation volumes. At the time of this inspection, both leachate collection systems were sufficiently evacuated to ensure that less than a foot of water was pooling over the surface of the bottom liner beyond the collection sump.

Asarco should continue to monthly inspect the CAMU and semi-annually monitor the groundwater. Asarco should also monitor the leachate levels during their monthly inspections and pump both collection systems before they result in more than a foot of water over the bottom liner beyond the two sumps.

APPENDIX A

TABLES, FIGURES, AND MAPS

CAMU Well Static Water Levels November 2000 through May 2006

StationName	Sample Date	WL Elevation
MW-1	11/17/00	3899.56
MW-1	5/14/01	3899.05
MW-1	11/7/01	3899.58
MW-1	5/20/02	3899.05
MW-1	11/15/02	3896.65
MW-1	5/30/03	3898.58
MW-1	10/24/03	3897.87
MW-1	5/20/04	3898.30
MW-1	11/3/04	3898.99
MW-1	5/17/05	3898.63
MW-1	11/11/05	3899.07
MW-1	5/5/06	3898.44
MW-2	11/16/00	3907.22
MW-2	5/14/01	3907.92
MW-2	11/7/01	3907.72
MW-2	5/20/02	3906.82
MW-2	11/15/02	3907.12
MW-2	5/30/03	3908.12
MW-2	10/24/03	3907.12
MW-2	5/20/04	3907.49
MW-2	11/3/04	3907.78
MW-2	5/17/05	3908.05
MW-2	11/11/05	3908.38
MW-2	5/5/06	3908.57
MW-3	11/16/00	3906.75
MW-3	5/14/01	3907.35
MW-3	11/7/01	3907.35
MW-3	5/20/02	3906.45
MW-3	11/15/02	3906.75
MW-3	5/30/03	3907.55
MW-3	10/24/03	3906.73
MW-3	5/20/04	3907.03
MW-3	11/1/04	3907.32
MW-3	5/17/05	3907.45
MW-3	11/11/05	3907.85
MW-3	5/5/06	3907.95
MW-4	11/16/00	3898.42
MW-4	5/14/01	3892.92
MW-4	11/7/01	3898.52
MW-4	5/20/02	3897.82
MW-4	11/15/02	3897.47
MW-4	5/30/03	3897.49
MW-4	10/24/03	3897.42
MW-4	5/25/04	3897.16
MW-4	11/3/04	3896.95
MW-4	5/17/05	3897.60
MW-4	11/11/05	3898.30
MW-4	5/5/06	3897.62
MW-5	11/17/00	3900.91
MW-5	5/14/01	3900.51

CAMU Well Static Water Levels November 2000 through May 2006

MW-5	11/15/01	3901.01
MW-5	5/20/02	3900.61
MW-5	11/15/02	3900.11
MW-5	5/30/03	3900.11
MW-5	10/24/03	3899.98
MW-5	5/25/04	3899.89
MW-5	11/3/04	3900.42
MW-5	5/17/05	3900.16
MW-5	11/10/05	3900.49
MW-5	5/5/06	3900.03
MW-6	11/16/00	3907.54
MW-6	5/14/01	3908.34
MW-6	11/7/01	3908.04
MW-6	5/20/02	3907.14
MW-6	11/15/02	3907.14
MW-6	5/30/03	3908.54
MW-6	10/24/03	3907.49
MW-6	5/25/04	3907.85
MW-6	11/3/05	3908.63
MW-6	4/28/06	3908.90
MW-7	11/17/00	3905.29
MW-7	5/14/01	3904.99
MW-7	11/7/01	3904.79
MW-7	5/20/02	3904.79
MW-7	11/15/02	3904.09
MW-7	5/30/03	3904.29
MW-7	10/24/03	3903.96
MW-7	5/25/04	3903.87
MW-7	11/3/05	3903.57
MW-7	4/28/06	3903.03
MW-8	11/6/06	3904.60
MW-9	11/6/06	3904.84
MW-10	11/6/06	3902.04

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 1059832

SITE NAME: EAST HELENA RCRA CORRECTIVE ACTION, EAST HELENA NPL (OU2-RV1 RESIDENTIAL)

DOCUMENT DATE: 01/09/2007

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☒ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☐ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

1 CD - ASARCO EAST HELENA CAMU MONITORING WELL DATA

Well	Sampling Event			Decimal Year	SO4 (mg/L)	Decimal Year	As (dissolved) (mg/L)
	Month	Day	Year				
MW-1	11	17	2000	2000.88	64	2000.88	0.005
	5	14	2001	2001.37	69	2001.37	0.005
	11	7	2001	2001.85	58	2001.85	0.006
	5	20	2002	2002.39	76	2002.39	0.0025
	11	15	2002	2002.88	73	2002.88	0.0025
	5	30	2003	2003.42	74	2003.42	0.0025
	10	24	2003	2003.82	70	2003.82	0.0025
	5	20	2004	2004.39	83	2004.39	0.009
	11	3	2004	2004.84	65	2004.84	0.0025
	5	17	2005	2005.38	88	2005.38	0.004
	11	11	2005	2005.86	72	2005.86	0.004
	5	5	2006	2006.35	76	2006.35	0.004
MW-2	11	16	2000	2000.88	24	2000.88	0.01
	5	14	2001	2001.37	5.4	2001.37	0.01
	11	7	2001	2001.85	12	2001.85	0.01
	5	20	2002	2002.39	26	2002.39	0.01
	11	15	2002	2002.88	22	2002.88	0.01
	5	30	2003	2003.42	26	2003.42	0.01
	10	24	2003	2003.82	30	2003.82	0.01
	5	20	2004	2004.39	34	2004.39	0.023
	11	3	2004	2004.84	23	2004.84	0.013
	5	17	2005	2005.38	24	2005.38	0.012
	11	11	2005	2005.86	21	2005.86	0.013
	5	5	2006	2006.35	25	2006.35	0.013
MW-3	11	16	2000	2000.88	52	2000.88	0.01
	5	14	2001	2001.37	49	2001.37	0.01
	11	7	2001	2001.85	30	2001.85	0.01
	5	20	2002	2002.39	55	2002.39	0.01
	11	15	2002	2002.88	53	2002.88	0.01
	5	30	2003	2003.42	56	2003.42	0.01
	10	24	2003	2003.82	61	2003.82	0.01
	5	20	2004	2004.39	70	2004.39	0.013
	11	1	2004	2004.84	54	2004.84	0.012
	5	17	2005	2005.38	59	2005.38	0.011
	11	11	2005	2005.86	49	2005.86	0.011
	5	5	2006	2006.35	54	2006.35	0.011

Well	Sampling Event			Decimal Year	SO4 (mg/L)	Decimal Year	As (dissolved) (mg/L)
	Month	Day	Year				
MW-4	11	16	2000	2000.88	64	2000.88	0.0025
	5	14	2001	2001.37	72	2001.37	0.0025
	11	7	2001	2001.85	40	2001.85	0.0025
	5	20	2002	2002.39	79	2002.39	0.0025
	11	15	2002	2002.88	71	2002.88	0.0025
	5	30	2003	2003.42	64	2003.42	0.0025
	10	24	2003	2003.82	71	2003.82	0.0025
	5	25	2004	2004.40	65	2004.40	0.0025
	11	3	2004	2004.84	69	2004.84	0.0025
	5	17	2005	2005.38	85	2005.38	0.003
	11	11	2005	2005.86	73	2005.86	0.003
	5	5	2006	2006.35	73	2006.35	0.003
MW-5	11	17	2000	2000.88	26	2000.88	0.006
	5	14	2001	2001.37	36	2001.37	0.0025
	11	15	2001	2001.88	31	2001.88	0.009
	5	20	2002	2002.39	24	2002.39	0.006
	11	15	2002	2002.88	51	2002.88	0.007
	5	30	2003	2003.42	26	2003.42	0.006
	5	25	2004	2004.40	33	2004.40	0.008
	11	3	2004	2004.84	33	2004.84	0.008
	5	17	2005	2005.38	42	2005.38	0.007
	11	10	2005	2005.86	37	2005.86	0.006
	5	5	2006	2006.35	49	2006.35	0.007
MW-6	11	16	2000	2000.88	43	2000.88	0.2
	5	14	2001	2001.37	53	2001.37	0.1
	11	7	2001	2001.85	6.1*	2001.85	0.1
	5	20	2002	2002.39	63	2002.39	0.2
	11	15	2002	2002.88	74	2002.88	0.2
	5	30	2003	2003.42	69	2003.42	0.1
	10	24	2003	2003.82	84	2003.82	0.2
	5	25	2004	2004.40	88	2004.40	0.172
MW-7	11	17	2000	2000.88	22	2000.88	0.01
	5	14	2001	2001.37	23	2001.37	0.02
	11	7	2001	2001.85	12	2001.85	0.02
	11	15	2002	2002.88	21	2002.88	0.02
	5	30	2003	2003.42	25	2003.42	0.01
	5	25	2004	2004.40	28	2004.40	0.02

Blue shading indicates value below reporting limit (value shown is 1/2 reporting limit).

*Anomalously low value appears to be a transcription or dilution error.

**Mann-Kendall Trend Test Results
Asarco East Helena CAMU Monitoring Wells**

Well	Arsenic (dissolved)		Sulfate	
	tau (τ)	p	tau (τ)	p
MW-1	-0.06	0.83	0.38	0.10
MW-2	0.49	0.02	0.21	0.37
MW-3	0.42	0.04	0.27	0.24
MW-4	0.41	0.02	0.32	0.17
MW-5	0.16	0.52	0.42	0.08
MW-6	0.04	1.0	0.79	0.009
MW-7	0.13	0.82	0.47	0.26

Statistical results calculated with USGS software:

Helsel, D.R., Mueller, D.K., and Slack, J.R., 2006, Computer program for the Kendall family of trend tests: U.S. Geological Survey Scientific Investigations Report 2005-5275, 4p. Example data files and program available at <http://pubs.usgs.gov/sir/2005/5275/downloads>.

tau = nonparametric (rank-based) correlation coefficient; positive values indicate increasing trend, negative values decreasing trend, with increasing "strength" of trend indicated by higher (closer to 1.0) absolute values.

p = level of significance; if p is less than an established decision level α , then the null hypothesis (in this case, the assumption of no trend) is rejected.

Results in red are statistically significant at the $\alpha = 0.05$ level ($p < 0.05$).

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-1 Arsenic

The tau correlation coefficient is -0.061

S = -4.
Z = -0.217
p = 0.8283

The relation may be described by the equation:

$$Y = 0.40000E-02 + 0.000 * X$$

~~~~~

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-1 Sulfate

The tau correlation coefficient is 0.379

S = 25.  
Z = 1.650  
p = 0.0990

The relation may be described by the equation:

$$Y = -4649.1 + 2.357 * X$$

~~~~~

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-2 Arsenic

The tau correlation coefficient is 0.485

S = 32.
Z = 2.416
p = 0.0157

The relation may be described by the equation:

$$Y = -1.1607 + 0.5843E-03 * X$$

~~~~~

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-2 Sulfate

The tau correlation coefficient is 0.212

S = 14.  
Z = 0.896  
p = 0.3704

The relation may be described by the equation:

$$Y = -2338.4 + 1.179 * X$$

mw1-mw2results.txt

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-3 Arsenic

The tau correlation coefficient is 0.424

S = 28.  
Z = 2.104  
p = 0.0354

The relation may be described by the equation:

$$Y = -0.39229 + 0.2008E-03 * X$$

~~~~~

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-3 Sulfate

The tau correlation coefficient is 0.273

S = 18.
Z = 1.171
p = 0.2415

The relation may be described by the equation:

$$Y = -2731.5 + 1.390 * X$$

~~~~~

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-4 Arsenic

The tau correlation coefficient is 0.409

S = 27.  
Z = 2.404  
p = 0.0162

The relation may be described by the equation:

$$Y = 0.25000E-02 + 0.000 * X$$

~~~~~

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-4 Sulfate

The tau correlation coefficient is 0.318

S = 21.
Z = 1.381
p = 0.1672

The relation may be described by the equation:

$$Y = -2841.2 + 1.453 * X$$

mw3-mw4results.txt

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-5 Arsenic

The tau correlation coefficient is 0.164

S = 9.
Z = 0.650
p = 0.5160

The relation may be described by the equation:

$$Y = 0.70000E-02 + 0.000 * X$$

~~~~~

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-5 Sulfate

The tau correlation coefficient is 0.418

S = 23.  
Z = 1.723  
p = 0.0849

The relation may be described by the equation:

$$Y = -5462.4 + 2.743 * X$$

~~~~~

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-6 Arsenic

The tau correlation coefficient is 0.036

S = 1.
Z = 0.000
p = 1.0000

The relation may be described by the equation:

$$Y = 0.18600 + 0.000 * X$$

~~~~~

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-6 Sulfate

The tau correlation coefficient is 0.786

S = 22.  
Z = 2.598  
p = 0.0094

The relation may be described by the equation:

$$Y = -25969. + 13.00 * X$$

mw5-mw6results.txt

Kendall's tau Correlation Test  
US Geological Survey, 2005

Data set: MW-7 Arsenic

The tau correlation coefficient is 0.133

S = 2.  
Z = 0.231  
p = 0.8170

The relation may be described by the equation:

$$Y = 0.20000E-01 + 0.000 * X$$

~~~~~

Kendall's tau Correlation Test
US Geological Survey, 2005

Data set: MW-7 Sulfate

The tau correlation coefficient is 0.467

S = 7.
Z = 1.127
p = 0.2597

The relation may be described by the equation:

$$Y = -3388.5 + 1.703 * X$$

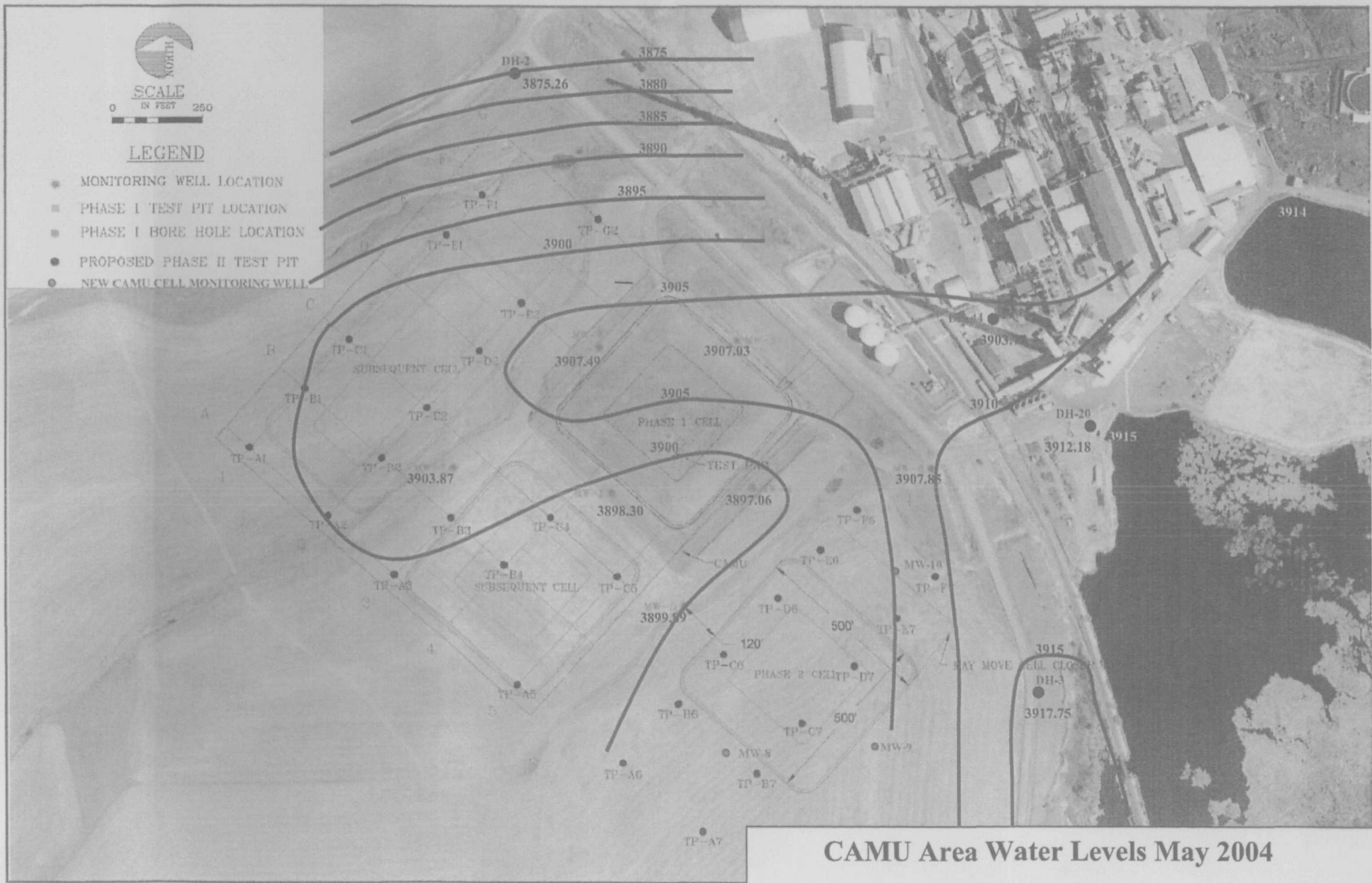
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SCALE  
0 IN FEET 250

### LEGEND

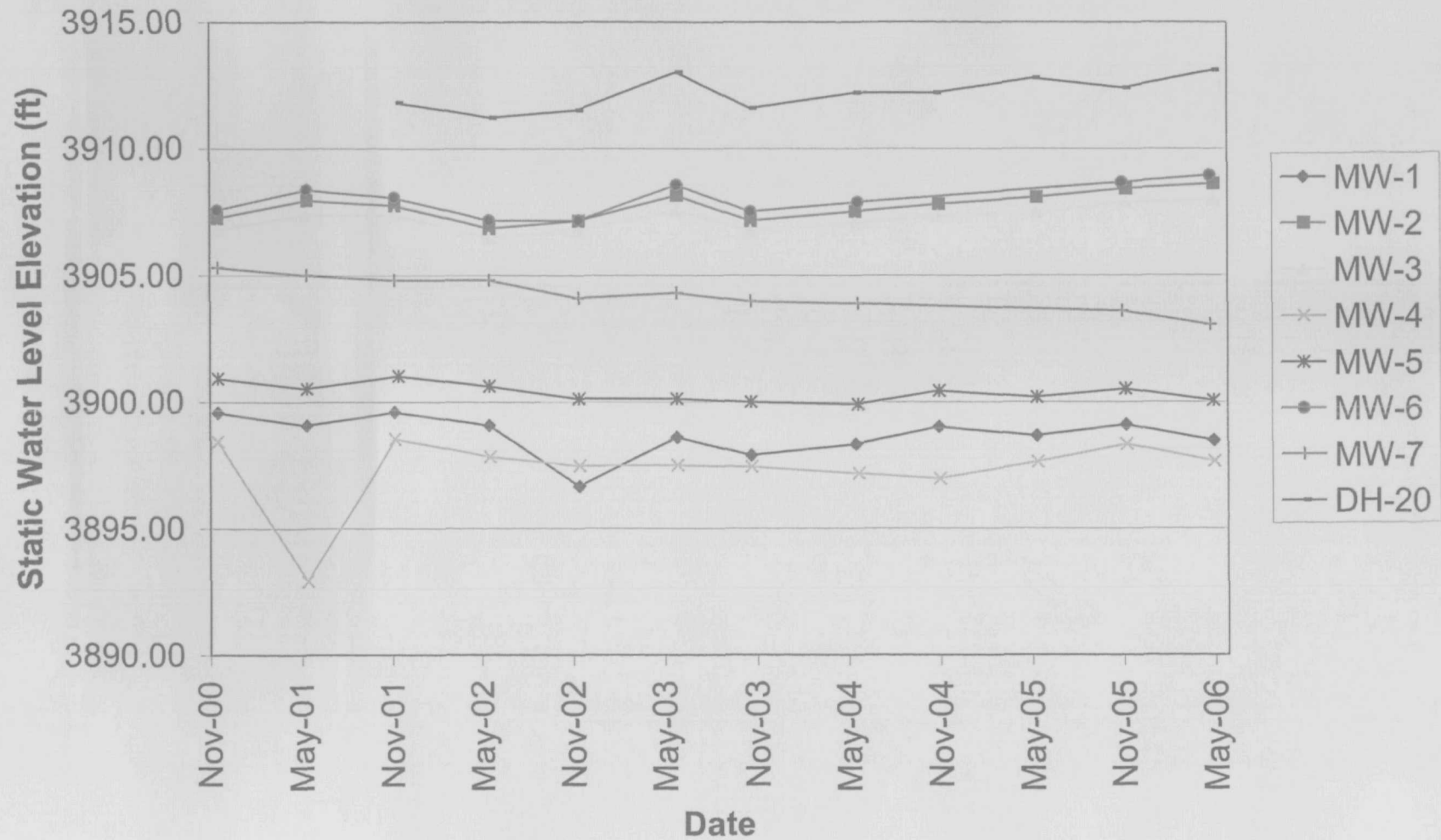
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- PHASE I TEST PIT LOCATION
- PHASE I BORE HOLE LOCATION
- PROPOSED PHASE II TEST PIT
- NEW CAMU CELL MONITORING WELL

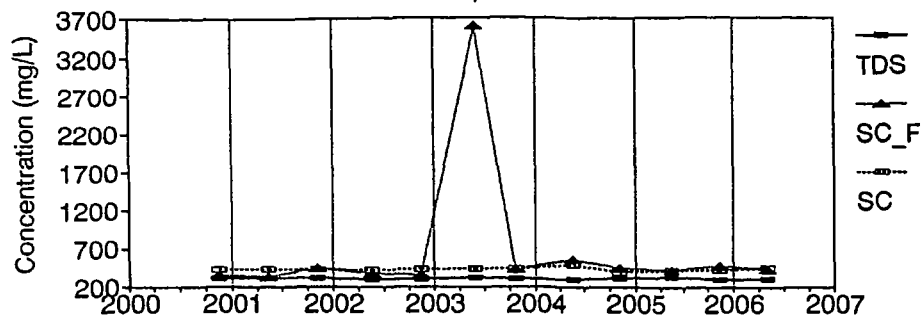
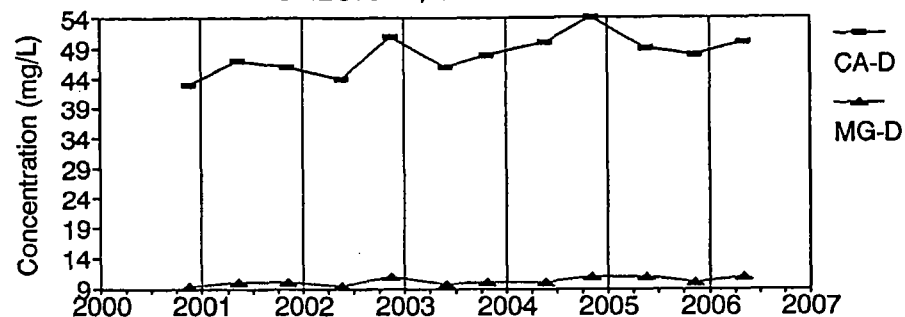
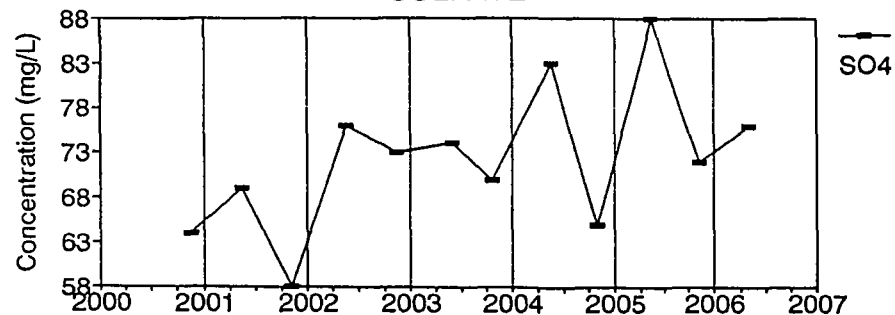
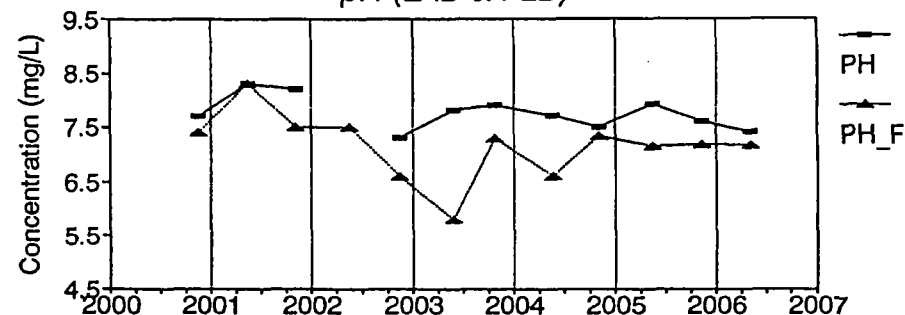
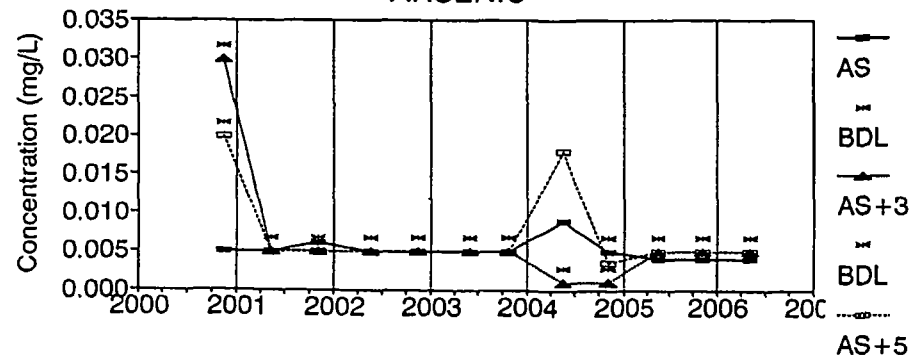
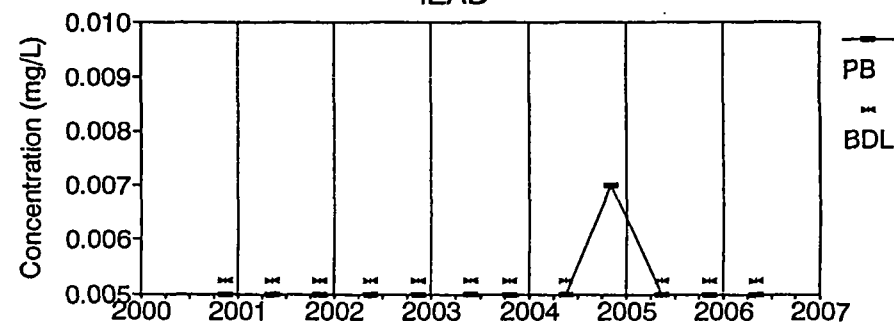


CAMU Area Water Levels May 2004

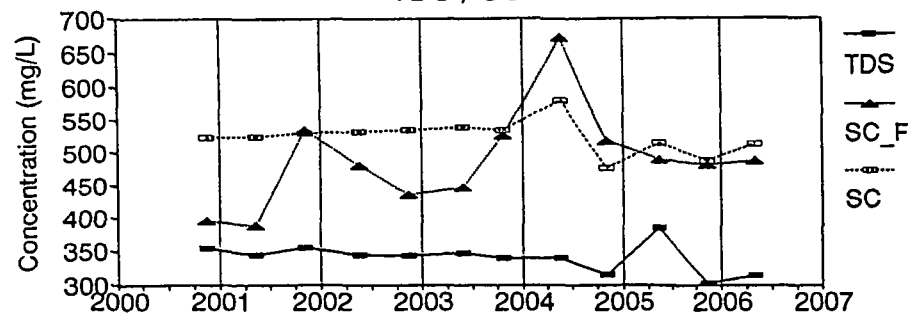
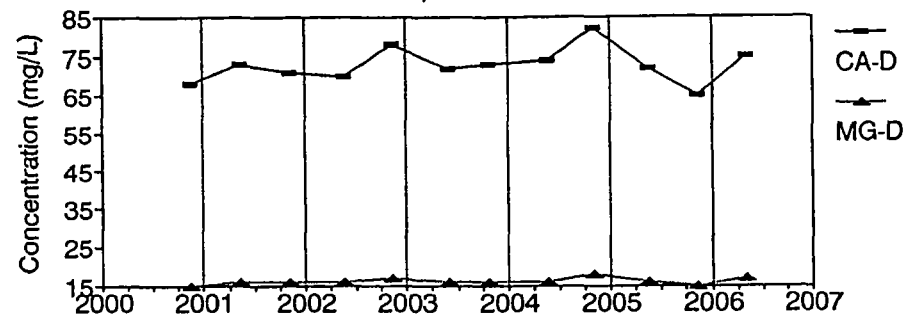
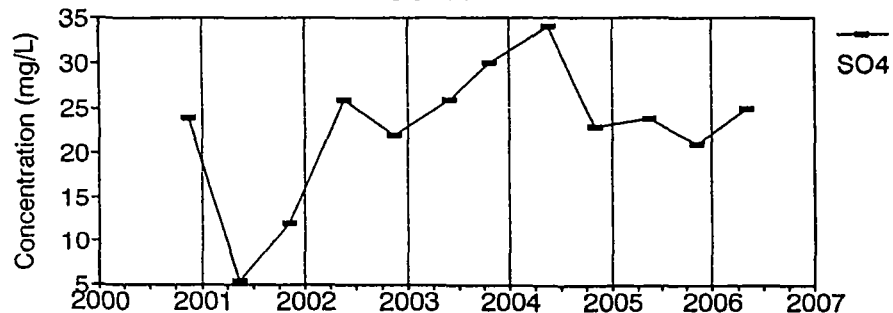
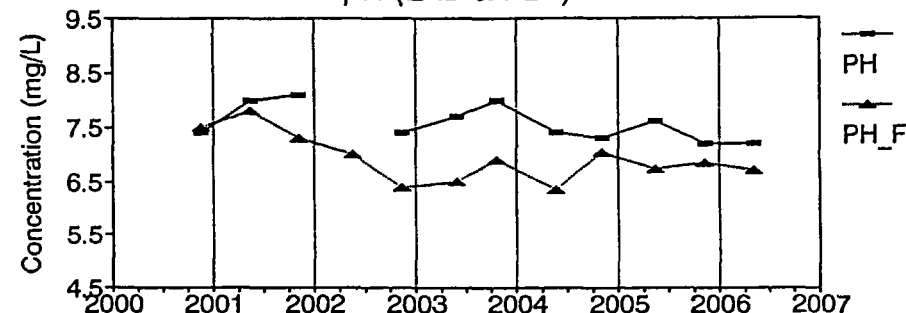
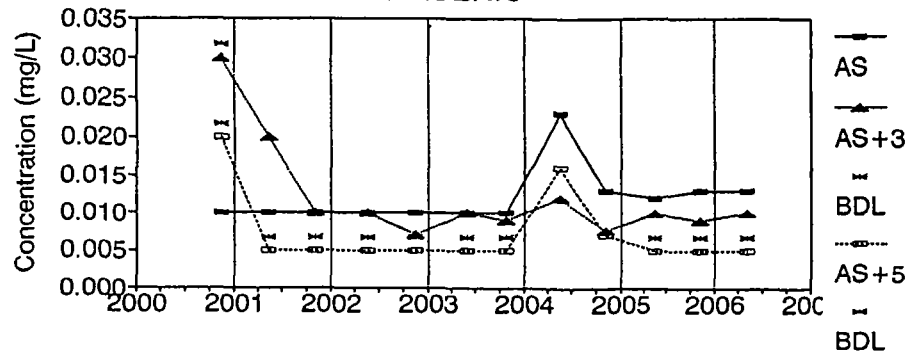
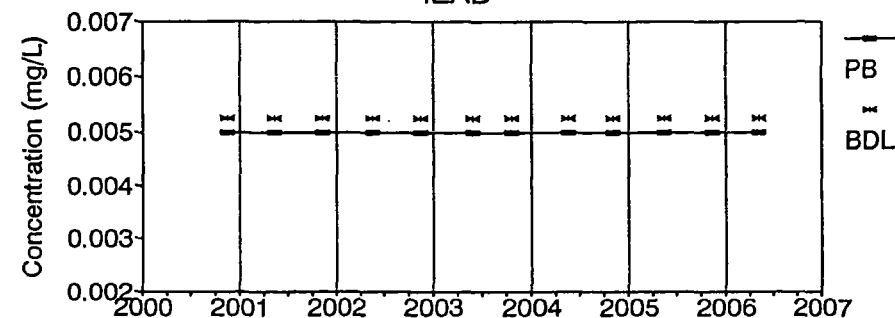


## Water Levels in CAMU Wells

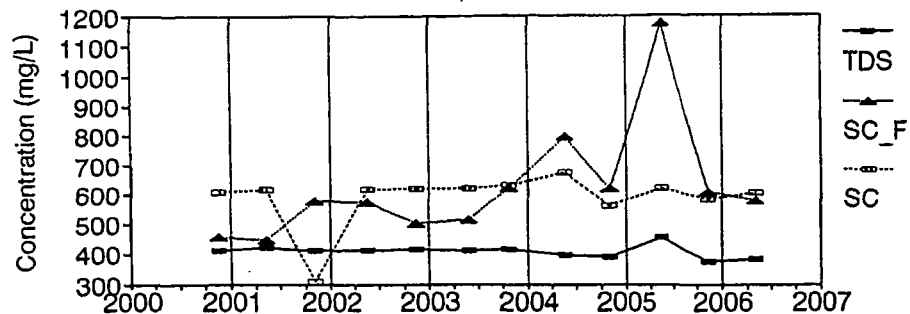
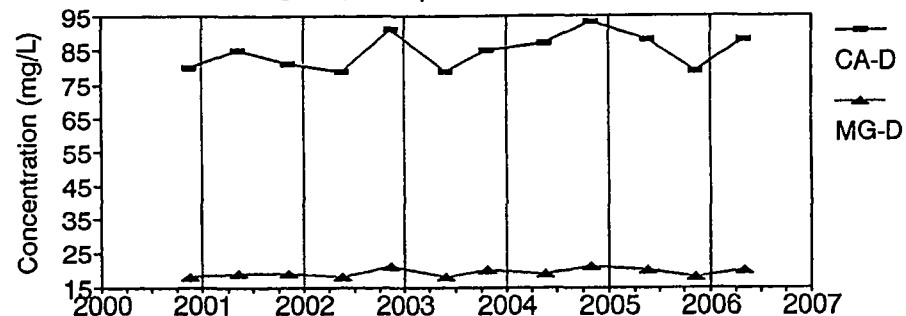
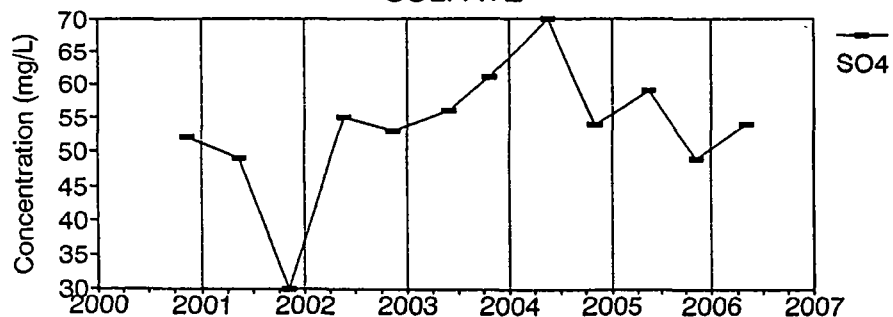
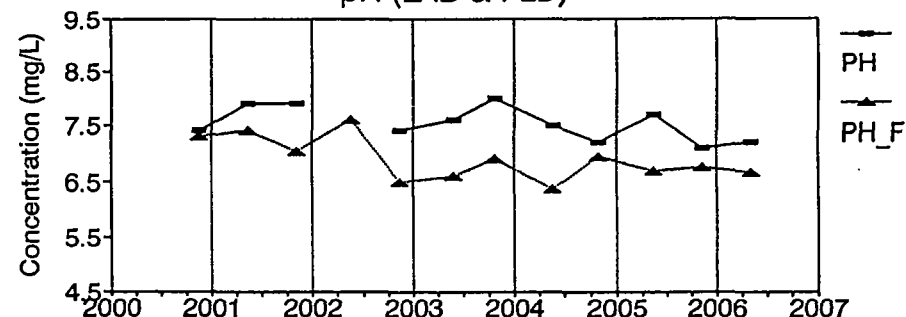
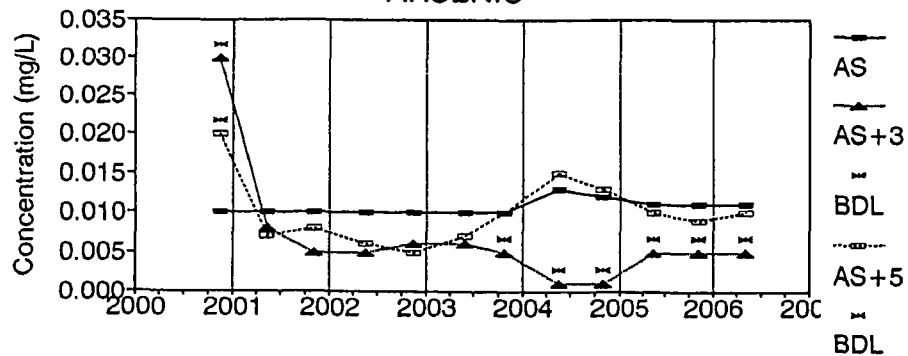
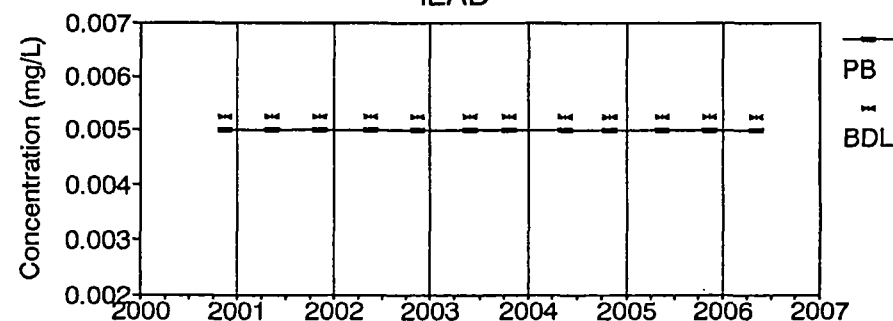


**MW-1****TDS / SC****CALCIUM / MAGNESIUM****SULFATE****pH (LAB & FLD)****ARSENIC****LEAD**

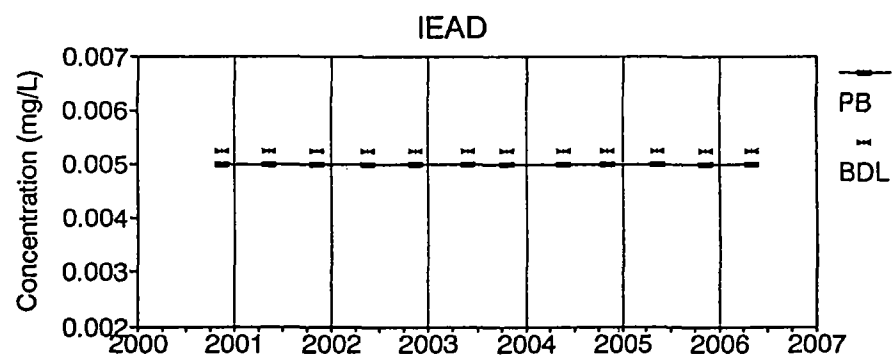
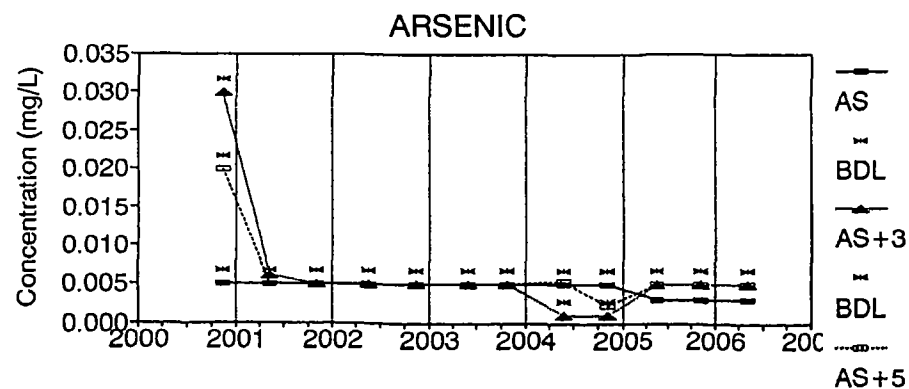
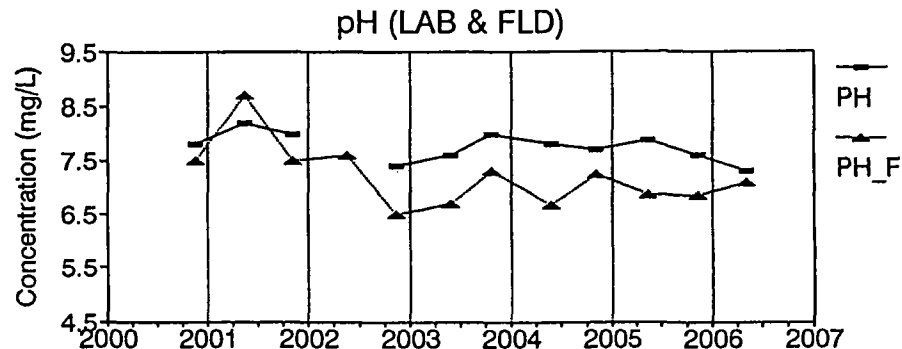
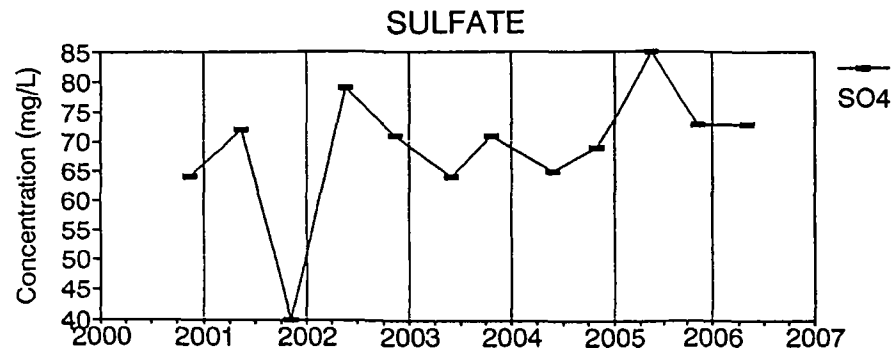
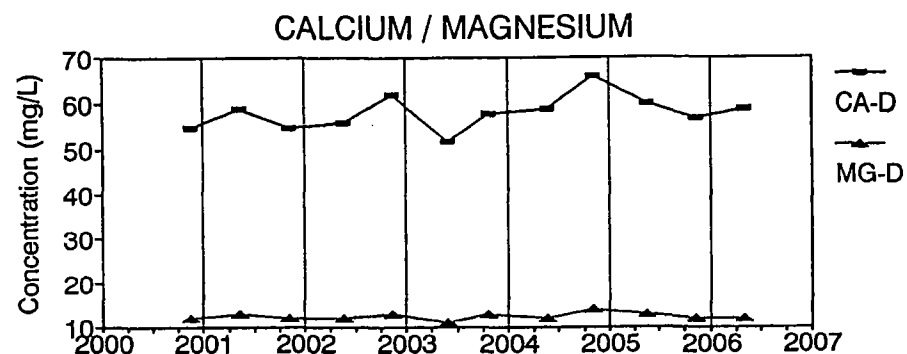
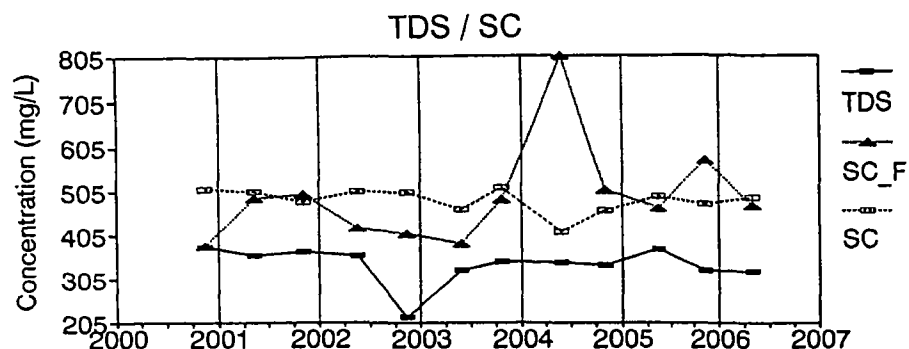
BDL - Below Analytical Detection Limit

**MW-2****TDS / SC****CALCIUM / MAGNESIUM****SULFATE****pH (LAB & FLD)****ARSENIC****IEAD**

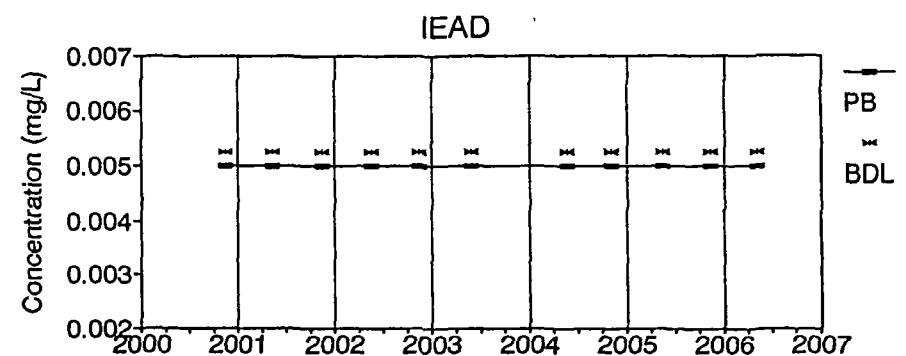
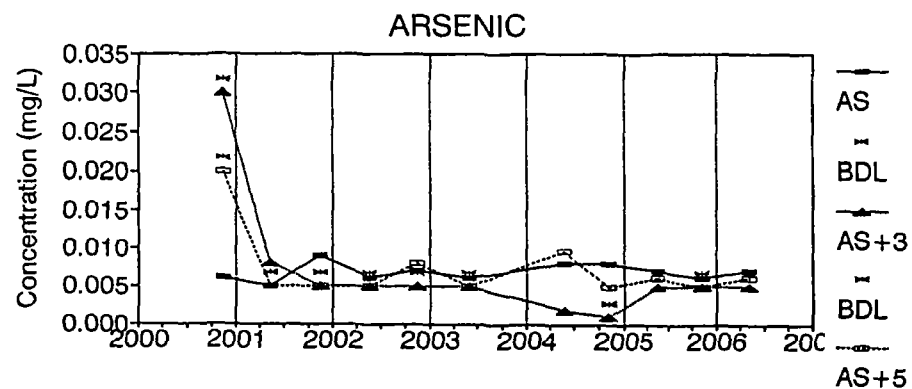
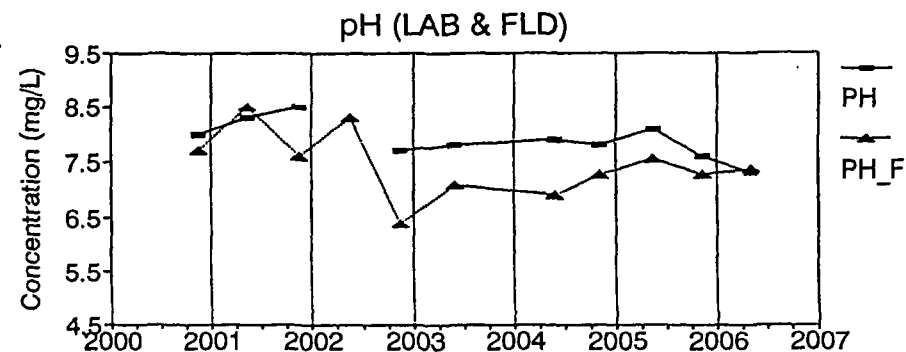
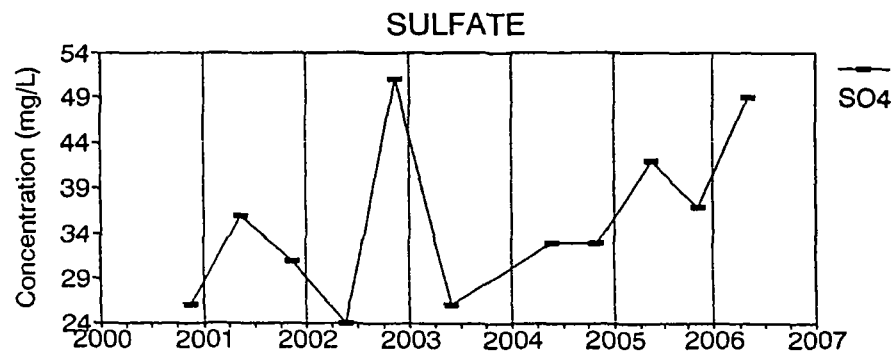
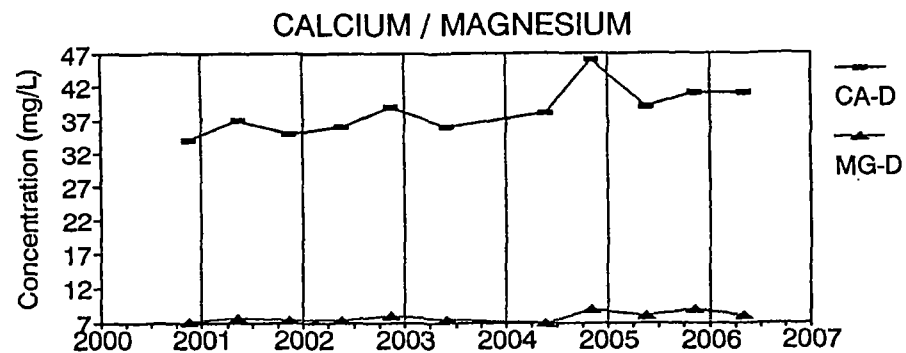
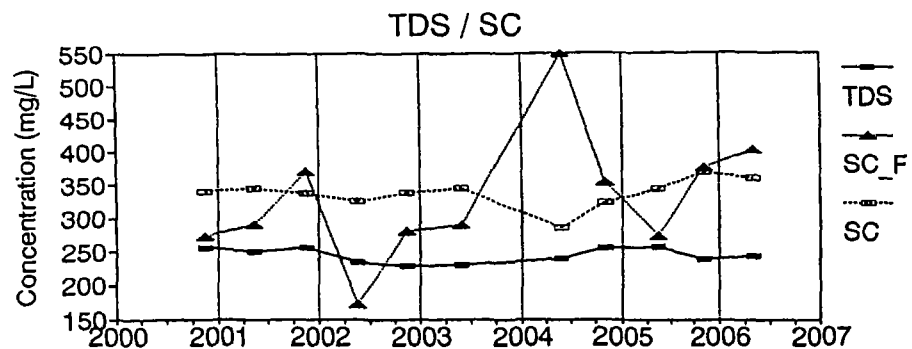
BDL - Below Analytical Detection Limit

**MW-3****TDS / SC****CALCIUM / MAGNESIUM****SULFATE****pH (LAB & FLD)****ARSENIC****LEAD**

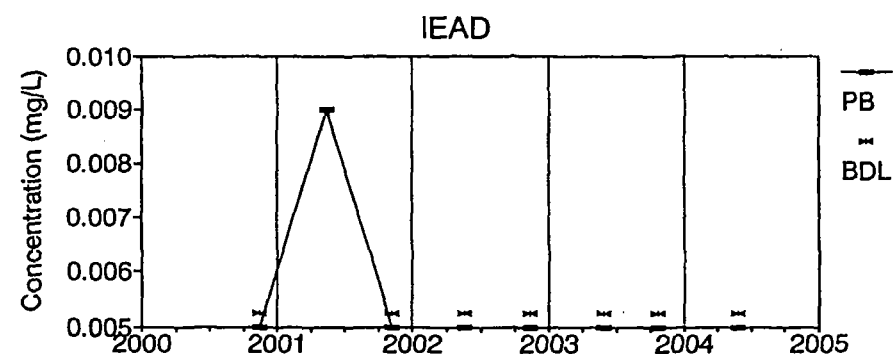
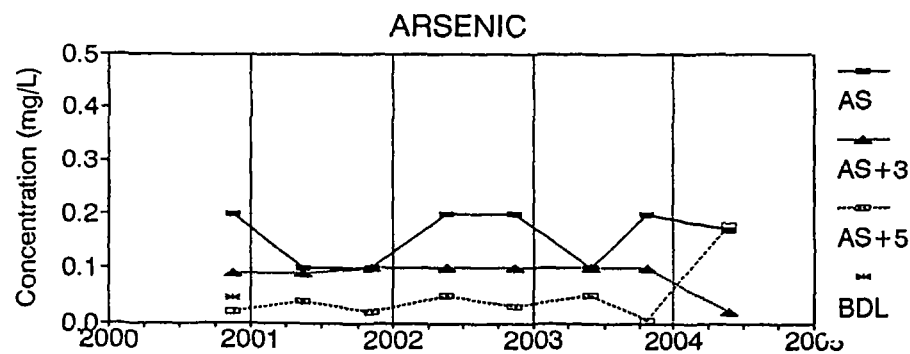
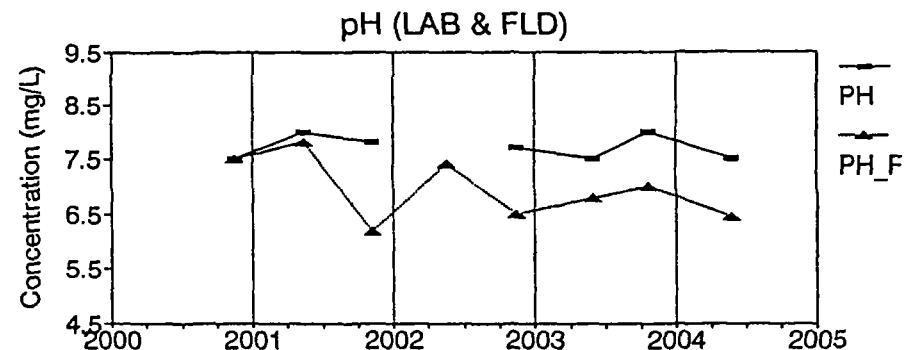
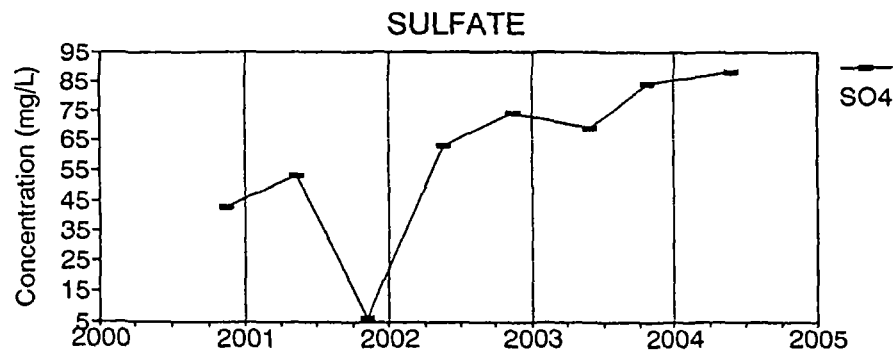
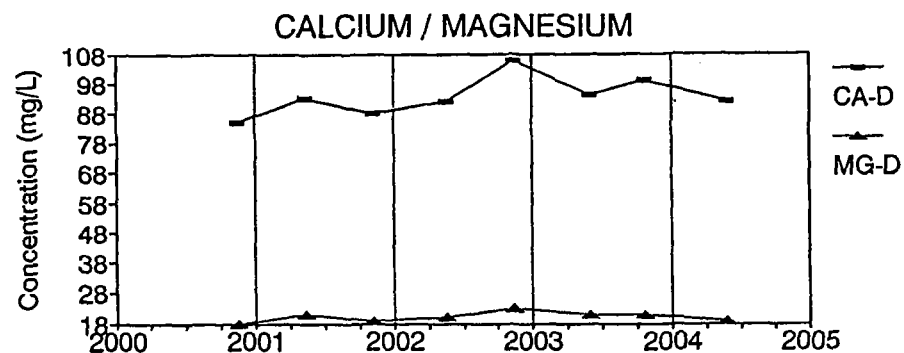
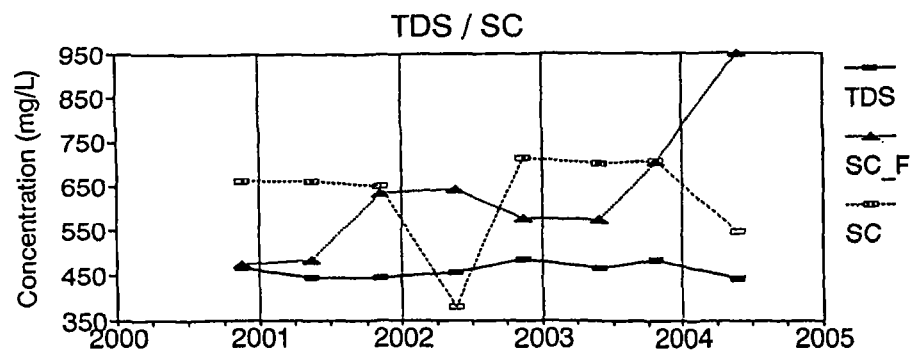
BDL - Below Analytical Detection Limit

**MW-4**

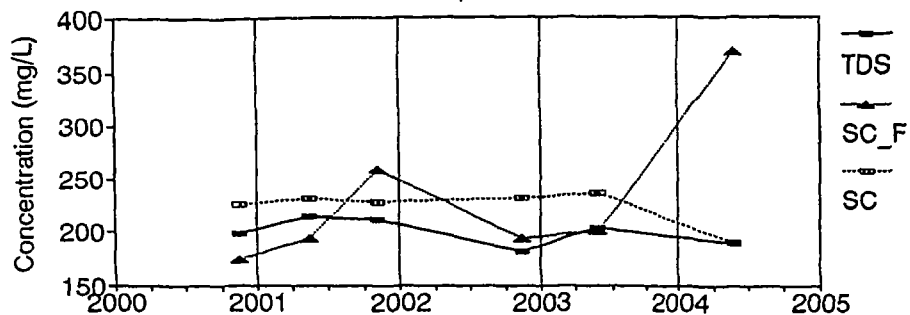
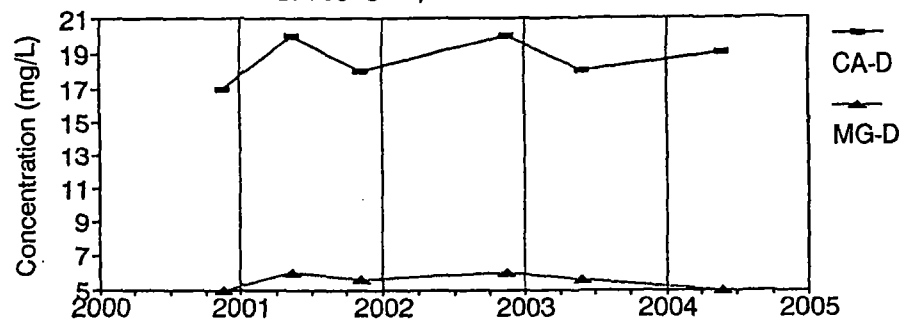
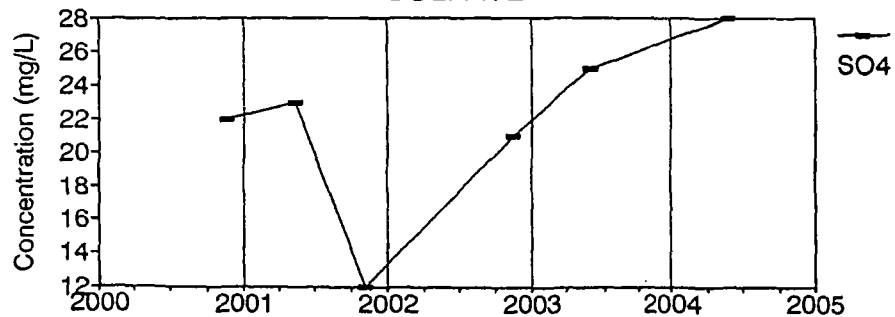
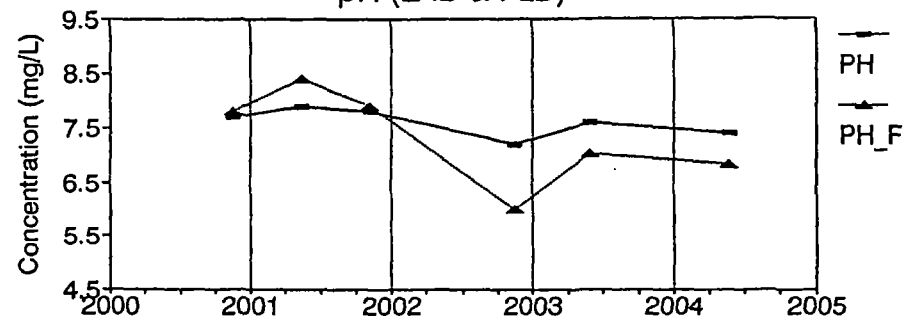
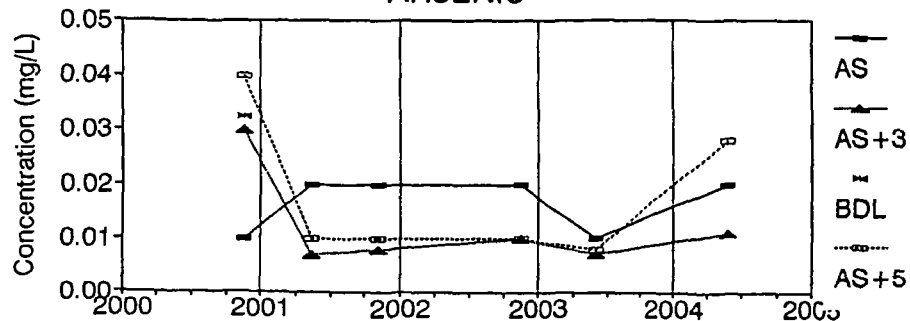
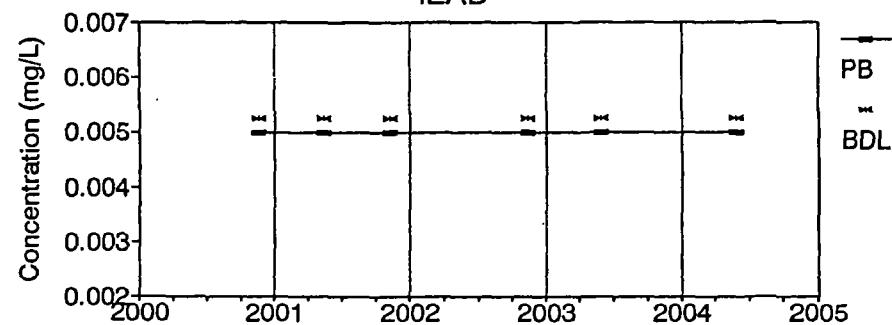
BDL - Below Analytical Detection Limit

**MW-5**

BDL - Below Analytical Detection Limit

**MW-6**

BDL - Below Analytical Detection Limit

**MW-7****TDS / SC****CALCIUM / MAGNESIUM****SULFATE****pH (LAB & FLD)****ARSENIC****LEAD**

BDL - Below Analytical Detection Limit

**APPENDIX B**

**INSPECTION SUMMARY HISTORY**

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                     | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel, Sanna Yost and Walter Crane</u> | Date: <u>January 31, 2002</u> |             |        |
|----------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                    | ITEM NO.                     | CONDITION             | OBSERVATION                                                  | ACTION NEEDED                 |             |        |
|                                                    |                              |                       |                                                              | MONITOR                       | INVESTIGATE | REPAIR |
| UPPER SURFACE                                      | 1                            | Surface Cracking      | None observed                                                |                               |             |        |
|                                                    | 2                            | Animal Burrows        | None observed                                                |                               |             |        |
|                                                    | 3                            | Low Area              | None observed                                                |                               |             |        |
|                                                    | 4                            | Ruts or Puddles       | None observed                                                |                               |             |        |
|                                                    | 5                            | Vegetation Condition  | Vegetation has not yet germinated, Mulch is intact           |                               |             |        |
|                                                    | 6                            | Noxious Weeds         | Vegetation has not yet germinated, Mulch is intact           |                               |             |        |
|                                                    | 7                            | Settlement/Subsidence | None observed                                                |                               |             |        |
|                                                    | 8                            | Erosion               | Ground frozen. No sign of runoff at the site.                |                               |             |        |
| SIDE SLOPE                                         | 1                            | Slide, Slough, Scarp  | None observed                                                |                               |             |        |
|                                                    | 2                            | Animal Burrows        | None observed                                                |                               |             |        |
|                                                    | 3                            | Erosion               | Ground frozen. No sign of runoff at the site.                |                               |             |        |
|                                                    | 4                            | Vegetation Condition  | Vegetation has not yet germinated, Mulch is intact           |                               |             |        |
|                                                    | 5                            | Noxious Weeds         | Vegetation has not yet germinated, Mulch is intact           |                               |             |        |
|                                                    | 6                            | Exposed Liner         | None observed                                                |                               |             |        |
|                                                    | 7                            | Seepage               | None observed                                                |                               |             |        |
|                                                    | 8                            | Fencing               | Fence is new, no damage observed                             |                               |             |        |
|                                                    | 9                            | Settlement/Subsidence | None observed                                                |                               |             |        |
| Additional Comments: <u>Vent System looks fine</u> |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |
|                                                    |                              |                       |                                                              |                               |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cell No. <b>PHASE I CELL</b>                                                                                                |                                                                 | Inspected by: <u>Jon Nickel, Sanna Yost and Walter Cranc</u>                                                                                                                                                 | Date: <u>January 31, 2002</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ITEM NO.                                                                                                                    | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                  | ACTION NEEDED                 |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                             |                                                                 |                                                                                                                                                                                                              | MONITOR                       | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                                                                                                                           | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                           | Toe Ditches - evidence of erosion                               | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                           | Stormwater Basin - excessive vegetation/sedimentation           | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                           | Stormwater Basin - presence of sand (washout of drainage layer) | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                           | Stormwater Basin - Evidence of erosion or overtopping           | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                                                                                                                           | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                                                                                                                           | Upstream Diversion Ditch - evidence of erosion                  | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                                                                                                                           | Upstream Diversion Ditch - evidence of overtopping              | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                               |                               |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                                                                                                                           | Condition of Leachate Sumps                                     | Cap on Leak Detection Sump required wrench to unscrew. Glue didn't hold and PVC cap came loose from 4" HDPE sump piping. Reattach cap to sump pipe.                                                          |                               |             | X      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                                                                                                                           | Leachate Collection Sump-Depth (East pipe)                      | Depth to water (along pipe slope) 34.02 from lip of white cap. Therefore water leachate depth is 14.45 ft (along pipe slope). At 3.5:1 slope, depth of water is approximately 4.13 ft. Should be pumped out. |                               |             | X      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (Sump pipe slope estimated to be about 3.5:1. Total length to bottom 48.47 ft from end of white PVC cap)                    |                                                                 |                                                                                                                                                                                                              |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                                                                                                                           | Leak Detection Sump-Depth (West pipe)                           | Depth to water (along pipe slope) 42.66 from end of HDPE pipe. Lower 8.41 ft (along pipe slope) is under water. At 3.5:1 slope, depth of water is approximately 2.40 ft. Should be pumped out.               |                               |             | X      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (Sump pipe slope estimated to be about 3.5:1. Total length to bottom 51.07 ft from end of black HDPE pipe, without end cap) |                                                                 |                                                                                                                                                                                                              |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                                                                                                                           | Monitoring Wells - Condition of Protective Surface Casing       |                                                                                                                                                                                                              |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                           | Monitoring Wells - Presence of Locks                            |                                                                                                                                                                                                              |                               |             |        |
| <p><b>Additional Comments:</b> Sumps are scheduled to be pumped dry next Monday, February 4, 2002. Leachate collection system was pumped in early February. The volumes pumped for February 6, 7, and 8 were 420, 5250, and 2600 gallons, respectively. The total volume pumped from the leachate collection system was 8,270 gallons. The pump volume was good during the early pumping stages but became intermittent as the pumping continued. The pump would loose it prime, then, after 3 to 5 minutes, the pump would regain its prime and resume pumping. Once the pump's prime could not be regained within 5 minutes, the pumping was shutdown. No water was pumped from the leak detection system.</p> |                                                                                                                             |                                                                 |                                                                                                                                                                                                              |                               |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                         | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>February 21, 2002</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                        | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                          | 1                            | Surface Cracking      | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 2                            | Animal Burrows        | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 3                            | Low Area              | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 4                            | Ruts or Puddles       | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 5                            | Vegetation Condition  | Vegetation has not yet germinated. Mulch is intact.                                  |                                |             |        |
|                                                                                                                                                                                                                                                                        | 6                            | Noxious Weeds         | Vegetation has not yet germinated. Mulch is intact.                                  |                                |             |        |
|                                                                                                                                                                                                                                                                        | 7                            | Settlement/Subsidence | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 8                            | Erosion               | Ground dry and frozen. No sign of runoff at the site.                                |                                |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                             | 1                            | Slide, Slough, Scarp  | None observed. Snow from drifting on northeast slope.                                |                                |             |        |
|                                                                                                                                                                                                                                                                        | 2                            | Animal Burrows        | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 3                            | Erosion               | Ground dry and frozen. No sign of runoff at the site.                                |                                |             |        |
|                                                                                                                                                                                                                                                                        | 4                            | Vegetation Condition  | Vegetation has not yet germinated. Mulch is intact.                                  |                                |             |        |
|                                                                                                                                                                                                                                                                        | 5                            | Noxious Weeds         | Vegetation has not yet germinated. Mulch is intact.                                  |                                |             |        |
|                                                                                                                                                                                                                                                                        | 6                            | Exposed Liner         | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 7                            | Seepage               | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                        | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                                |             |        |
|                                                                                                                                                                                                                                                                        | 9                            | Settlement/Subsidence | None observed.                                                                       |                                |             |        |
| Additional Comments: The temperature during the inspection was about 35°F with light to variable winds. The skies were mostly cloudy. Minor debris was removed from the diversion fence and within the CAMU footprint. No photographs of the inspection were obtained. |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                                |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                        | Date: <u>February 21, 2002</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                            | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Toe Ditches - evidence of erosion                               | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff. Snow on south slope shaded areas.                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff. Snow and ice on east side of upstream diversion ditch.                                                  |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Condition of Leachate Sumps                                     | Caps have been removed to accommodate pump pipes. The pump pipes are sealed to the primary pipe with fabric rags.                                                                      |                                |             | X      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             | X      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             | X      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                             |                                |             |        |
| <p>Additional Comments: Minor snow drifts are present along the outer east side of the water diversion fence. The outer water diversion fence is open on the east and west side above the CAMU footprint. The upper diversion ditch is open on the west side to accommodate the CAMU security fence. On February 21, 2002, Walter Crane, Brett Jones, and Anthony Strainer began pumping the leachate collection sump. The pumping began at 12:30 pm at a rate of 60 gpm which was too fast to maintain a steady-state flow. The pump rate was adjusted to 30 gpm. The pumping of the leachate collections system resumed on February 22, 2002 at noon. The total volume removed from the leachate collection sytem was 2200 gallons. The leak detection system was pumped on February 22, 2002. The total volumer emoved from the leak detection system was 750 gallons. All of the water removed from the pumping of the CAMU leachate and leak detection systems were placed in the internal plant water system for treatment in the HDS water treatment plant.</p> |                              |                                                                 |                                                                                                                                                                                        |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>March 25, 2002</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                            | Surface Cracking      | None observed. Surface under 1-3 inches of snow.                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Animal Burrows        | None observed. Surface under 1-3 inches of snow.                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Low Area              | None observed. Surface under 1-3 inches of snow.                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Ruts or Puddles       | None observed. Surface under 1-3 inches of snow.                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Vegetation Condition  | Vegetation has not yet germinated. Mulch is intact.                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Noxious Weeds         | Vegetation has not yet germinated. Mulch is intact.                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Settlement/Subsidence | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Erosion               | Ground wet and frozen. No sign of runoff at the site.                                |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                            | Slide, Slough, Scarp  | None observed. Snow from drifting all sides but east slope.                          |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Animal Burrows        | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Erosion               | Ground dry and frozen. Snow wet but not melting. No signs of runoff at the site.     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Vegetation Condition  | Vegetation has not yet germinated. Mulch is intact.                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Noxious Weeds         | Vegetation has not yet germinated. Mulch is intact.                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Exposed Liner         | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Seepage               | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9                            | Settlement/Subsidence | None observed.                                                                       |                             |             |        |
| Additional Comments: The temperature during the inspection was about 30°F with light to variable winds. The skies were heavily overcast. The majority of CAMU fingerprint was under about 1-3 inches of wet snow. The east slope of the CAMU was mostly bare of snow. The depth of snow prevented a thorough inspection of the CAMU security fence. The security fence, as observed from the top of the CAMU fingerprint was secure and intact. The locks to each entrance was secure. Ambient temperatures only recently have been above freezing. No runoff or ponding of melting snow was observed. |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                      |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                      | Cell No. <u>PHASE 1 CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                               | Date: <u>March 25, 2002</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                     | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                   | ACTION NEEDED               |             |        |
|                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                                                               | MONITOR                     | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                             | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                                                         |                             |             |        |
|                                                                                                                                     | 2                            | Toe Ditches - evidence of erosion                               | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                                                         |                             |             |        |
|                                                                                                                                     | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff. Snow on south slope shaded areas.                                                                                                                       |                             |             |        |
|                                                                                                                                     | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                                                         |                             |             |        |
|                                                                                                                                     | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                                                         |                             |             |        |
|                                                                                                                                     | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                                                         |                             |             |        |
|                                                                                                                                     | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Ground wet with snow. Vegetation not yet germinated. Mulch intact. No sign of runoff.                                                                                                                                                         |                             |             |        |
|                                                                                                                                     | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Ground frozen. Vegetation not yet germinated. Mulch intact. No sign of runoff. Snow and ice on east side of upstream diversion ditch.                                                                                                         |                             |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                         | 1                            | Condition of Leachate Sumps                                     | Caps in place. Tops of pipes are buried in snow. No total access to pipes.                                                                                                                                                                    |                             |             |        |
|                                                                                                                                     | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. No pumping will take place until temperatures improve. |                             |             |        |
|                                                                                                                                     | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. No pumping will take place until temperatures improve. |                             |             |        |
|                                                                                                                                     | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                       |                             |             |        |
|                                                                                                                                     | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                    |                             |             |        |
|                                                                                                                                     | Additional Comments:         |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |
| No pumping of leachate or leak detection system will take place until temperatures improve and access to outer pipes can be gained. |                              |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |
|                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |
|                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |
|                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |
|                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |
|                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                                                               |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>April 19, 2002</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                      | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                            | Surface Cracking      | Surficial cracking observed from drying soils. No snow observed                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                            | Animal Burrows        | None observed. No tracking of animals observed.                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                            | Low Area              | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                            | Ruts or Puddles       | None observed. Surface soils dry.                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                            | Vegetation Condition  | Vegetation has not yet germinated. Straw and mulch is intact.                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                            | Noxious Weeds         | Vegetation has not yet germinated. Straw and mulch is intact.                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                            | Settlement/Subsidence | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                            | Erosion               | Surface soils dry. No sign of runoff at the site.                                    |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Slide, Slough, Scarp  | None observed. All side slopes dry and free of snow.                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                            | Animal Burrows        | None observed. No tracking of animals observed.                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                            | Erosion               | Ground dry and free of snow. No signs of runoff at the site.                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                            | Vegetation Condition  | Vegetation has not yet germinated. Straw and mulch is intact.                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                            | Noxious Weeds         | Vegetation has not yet germinated. Straw and mulch is intact.                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                            | Exposed Liner         | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                            | Seepage               | None observed.                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9                            | Settlement/Subsidence | None observed.                                                                       |                             |             |        |
| Additional Comments: The temperature during the inspection was about 45°F with light to variable winds. The skies were clear. There is no sign of snow with the mild spring temperatures. Some the straw has blown into the northeast corner of the fenced area. The straw is drifted against the interior security fence and the exterior storm water fence. The locks to each entrance was secure. The locks on the monitoring wells were secure. Storm water and orange, wind fence secure and intact. |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                      |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                            | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                       | Date: April 19, 2002 |             |        |
|---------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|--------|
|                                                                           | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                           | ACTION NEEDED        |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       | MONITOR              | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                   | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground dry. Vegetation not yet germinated. Straw and mulch intact. No sign of runoff.                                                                                                                                                 |                      |             |        |
|                                                                           | 2                            | Toe Ditches - evidence of erosion                               | Ground dry. Vegetation not yet germinated. Straw and mulch intact. No sign of runoff.                                                                                                                                                 |                      |             |        |
|                                                                           | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Ground dry. Vegetation not yet germinated. Straw and mulch intact. No sign of runoff. No sediment observed in basin.                                                                                                                  |                      |             |        |
|                                                                           | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground dry. Vegetation not yet germinated. Straw and mulch intact. No sign of sediment or wash-out.                                                                                                                                   |                      |             |        |
|                                                                           | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Ground dry. Vegetation not yet germinated. Straw and mulch intact. No sign of run-on into the basin.                                                                                                                                  |                      |             |        |
|                                                                           | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Ground dry. Vegetation not yet germinated. Straw and mulch intact. No sign of runoff into the diversion ditch.                                                                                                                        |                      |             |        |
|                                                                           | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Ground dry. Vegetation not yet germinated. Straw and mulch intact. Storm water berms are intact and secure.                                                                                                                           |                      |             |        |
|                                                                           | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Ground dry. Vegetation not yet germinated. No sign of diversion ditch over-topping.                                                                                                                                                   |                      |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                               | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                         |                      |             |        |
|                                                                           | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. No pumping will take place in April. |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. No pumping will take place in April. |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                               |                      |             |        |
|                                                                           | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                            |                      |             |        |
| Additional Comments:                                                      |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
| No pumping of leachate or leak detection system will take place in April. |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |
|                                                                           |                              |                                                                 |                                                                                                                                                                                                                                       |                      |             |        |



May 2, 2002 - North slope of CAMU looking to the east



May 2, 2002 - Top of CAMU looking to the southeast



May 2, 2002 - Storm water collection basin looking to the east

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>May 2, 2002</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                      | MONITOR                  | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Surface Cracking      | Surficial cracking observed from very drying soils. No snow observed                 |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                            |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Low Area              | None observed.                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Ruts or Puddles       | None observed. Surface soils very dry.                                               |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Vegetation Condition  | Minor grass sprouting is occurring. Straw and mulch is intact.                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Noxious Weeds         | No signs of noxious weeds. Straw and mulch is intact.                                |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Settlement/Subsidence | None observed.                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Erosion               | Surface soils very dry. No sign of runoff at the site.                               |                          |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Slide, Slough, Scarp  | None observed. All side slopes dry and free of snow.                                 |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed. Bird tracking on slopes.   |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Erosion               | Ground very dry and free of snow. No signs of runoff at the site.                    |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Vegetation Condition  | Minor grass spouting occurring. Straw and mulch is intact.                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Noxious Weeds         | No signs of noxious weeds. Straw and mulch is intact.                                |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Exposed Liner         | None observed.                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Seepage               | None observed.                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9                            | Settlement/Subsidence | None observed.                                                                       |                          |             |        |
| Additional Comments: The temperature during the inspection was about 52°F with light to variable winds. The skies were clear with spring type conditions. There is no sign of snow. Precipitation has been very light which has lead to very dry soil conditions. There is still some the straw has blown into the northeast corner of the fenced area. The straw has blown against the security fence and the exterior storm water fence. The locks to each entrance was secure. The locks on the monitoring wells were secure. The storm water and orange, wind fence secure and intact. Three photographs of the CAMU were taken; top surface looking towards the southeast, west side slopes looking towards the south, and storm water basin looking towards the east. |                              |                       |                                                                                      |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                      |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                      |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                      |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                      |                          |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                       | Date: <u>May 2, 2002</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                           | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                       | MONITOR                  | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils very dry. Minor grass sprouting. Straw and mulch intact. No sign of runoff.                                                                                                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                            | Toe Ditches - evidence of erosion                               | Surface soils very dry. No sign of runoff.                                                                                                                                                                                                                            |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils very dry. Minor grass sprouting. Straw and mulch intact. No sign of runoff. No sediment observed in basin.                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils very dry. Minor grass sprouting. Straw and mulch intact. No sign of sediment or wash-out.                                                                                                                                                               |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils very dry. Minor grass sprouting. Straw and mulch intact. No sign of run-on into the basin.                                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | No excess vegetation exists. No sign of runoff into the diversion ditch.                                                                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Surface soils very dry. Straw and mulch intact. Storm water berms are intact and secure.                                                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Surface soils very dry. Minor grass sprouting. No sign of diversion ditch over-topping.                                                                                                                                                                               |                          |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                      | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                         |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. On May 2, 2002 at 10:00 am, the leachate collection sump was pumped. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. On May 3, 2002 at 8:00 am, the leak detection sump was pumped.       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                               |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                            |                          |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |
| On May 2 and 3, 2002, the leachate collection and leak detection sumps were pumped. The pump was provided by Hydrometrics. The water removed from the two systems was placed into a plant water truck. The water was placed in the Asarco East Helena plant water system for treatment. A total of 3,550 gallons of water was removed from the leachate collection system while 280 gallons of water was removed from the leak detection system. |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                       |                          |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                       | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>June 4, 2002</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                      | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                      | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                        | 1                            | Surface Cracking      | Soil cover moist from recent heavy rains. No cracking observed.                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                            |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 3                            | Low Area              | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 4                            | Ruts or Puddles       | None observed. Surface soils moist from spring rains. Soils able to absorb moisture. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 5                            | Vegetation Condition  | Grass tufts establishing. Straw and mulch is beginning to decay.                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 6                            | Noxious Weeds         | No signs of noxious weeds. Straw and mulch beginning to decay.                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 7                            | Settlement/Subsidence | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 8                            | Erosion               | Surface soils moist from recent rain. No sign of upper surface runoff at the site.   |                           |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                           | 1                            | Slide, Slough, Scarp  | None observed. All side slopes moist from recent rains.                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                            |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 4                            | Vegetation Condition  | Grass tufts establishing. Strong grass vegetation on east slope.                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 5                            | Noxious Weeds         | No signs of noxious weeds. Straw and mulch beginning to decay.                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 6                            | Exposed Liner         | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 7                            | Seepage               | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      | 9                            | Settlement/Subsidence | None observed.                                                                       |                           |             |        |
| Additional Comments: The temperature during the inspection was about 56°F with light to variable winds. The skies were clear with early summer type conditions.                                                                                                                                                                                      |                              |                       |                                                                                      |                           |             |        |
| Precipitation in the form of summer thundershowers and rain have been numerous which has lead to moist soil conditions. There is still some the straw that has blown into the northeast corner of the primary fenced area. The straw has blown against the security fence and the exterior storm water fence. The locks to each entrance was secure. |                              |                       |                                                                                      |                           |             |        |
| The locks on the monitoring wells were secures. The storm water and orange, wind fence are secure and intact. No photographs of the CAMU were taken.                                                                                                                                                                                                 |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                      |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                            | Cell No. <u>PHASE 1 CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                              | Date: <u>June 4, 2002</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                           | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                                  | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                   | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils moist from recent rains. Grass tufts sprouting. Straw and mulch beginning to decay. No sign of obstruction.                                                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                           | 2                            | Toe Ditches - evidence of erosion                               | Surface soils moist. No sign of erosion.                                                                                                                                                                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                           | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils moist. Grass establishing. Straw and mulch decaying. No sign of excessive vegetation. No sediment observed in basin.                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                           | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils moist. Grass establishing. Straw and mulch decaying. No sign of sediment or wash-out.                                                                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                           | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils moist. Grass establishing. Straw and mulch decaying. No sign of run-on into the basin.                                                                                                                                                                         |                           |             |        |
|                                                                                                                                                                                                                                           | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass starting to establish. Some broad leaf vegetation observed. No sign of runoff into the diversion ditch.                                                                                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                           | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Surface soils moist. Straw and mulch decaying. Storm water berms are intact and secure with no erosion.                                                                                                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                           | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Surface soils moist. Grass starting to establish. No sign of diversion ditch over-topping.                                                                                                                                                                                   |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                               | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                           | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred on May 2, 2002. |                           |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                           | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred on May 3, 2002.      |                           |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                           | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                           | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                   |                           |             |        |
| Additional Comments:                                                                                                                                                                                                                      |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation is beginning to establish outside the primary containment area with good stands of grass and some broad leaf plants. |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                                              |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                                                                                                                          | Date: July 3, 2002 |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ITEM NO.              | CONDITION             | OBSERVATION                                                                                                                                                                       | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                       |                                                                                                                                                                                   | MONITOR            | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                     | Surface Cracking      | Soil cover mostly dry after intense June 2002 rains. No cracking observed.                                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                     | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                     | Low Area              | None observed. All areas level and secure.                                                                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                     | Ruts or Puddles       | None observed. Surface soils mostly dry after spring rains. Soils able to absorb moisture.                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                     | Vegetation Condition  | Wheat grass (10' - 14") well established. Straw and mulch mostly decayed.                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                     | Noxious Weeds         | Unknown broad leaf (4"-6"), thinner broad leaf (6"-12") and mustard plants (6"-8") observed on upper surface. The vegetative cover is thin but occupying most of the open spaces. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                     | Settlement/Subsidence | None observed. Upper surface strong and secure.                                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                     | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.                                                                                                      |                    |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                     | Slide, Slough, Scarp  | None observed. All side slopes dry after June 2002 rains.                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                     | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                     | Erosion               | Surface strong and secure. No signs of erosion from side slopes at the site.                                                                                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                     | Vegetation Condition  | Wheat grass well established. Strong grass vegetation on east slope.                                                                                                              |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                     | Noxious Weeds         | White top observed in insulated locations around side slopes. Bind weed more prevalent along the base of the slopes and concentrated inside primary fence at northwest corner.    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                     | Exposed Liner         | None observed.                                                                                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                     | Seepage               | None observed.                                                                                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                              |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9                     | Settlement/Subsidence | None observed.                                                                                                                                                                    |                    |             |        |
| Additional Comments: The temperature during the inspection was about 73°F with moderate winds from the west. The skies were cloudy with a chance of a light afternoon rain showers. The heavy June 2002 precipitation (in the form of summer thundershowers and rain) have provided the necessary moisture for establishing the vegetative cover. There is very limited straw on the upper surface and side slopes of the CAMU. The northeast corner of the primary fenced area contains blown straw. The straw has also blown against the security fence and the exterior storm water fence. The locks to each entrance were secure. The locks on the monitoring wells were secure. The storm water and orange, wind fence are secure and intact. No photographs of the CAMU were taken. |                       |                       |                                                                                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                       |                                                                                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                       |                                                                                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                       |                                                                                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                       |                                                                                                                                                                                   |                    |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                           | Date: <u>July 3, 2002</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                               | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                                                                                           | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                    | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils dry. Wheat grass well established. Straw and mulch beginning to decay. No sign of vegetative obstruction and no sign of sedimentation.                                                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 2                            | Toe Ditches - evidence of erosion                               | Surface soils dry. No sign of erosion.                                                                                                                                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils dry. Wheat grass well established. Straw and mulch decaying. No sign of excessive vegetation. No sediment observed in basin.                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils dry. Wheat grass well established. Straw and mulch decaying. No sign of sediment or wash-out. Bind weed very prevalent west of storm water basin.                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils dry. Wheat grass well established. Straw and mulch decaying. No sign of run-on into the basin.                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass well established. Some broad leaf vegetation (6"-24") observed. No sign of runoff into the diversion ditch.                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Surface soils dry. Straw and mulch decaying. Storm water berms are intact and secure with no erosion.                                                                                                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Surface soils dry. Grass well established. No sign of diversion ditch over-topping.                                                                                                                                                                                       |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred in May 2002. |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in May 2002.      |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                   |                           |             |        |
|                                                                                                                                                                                                                                                                                            | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                            | Additional Comments:         |                                                                 |                                                                                                                                                                                                                                                                           |                           |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation is well established outside the primary containment area with good stands of grass and some broad leaf plants. The broad leaf plant measure between 12 and 24 inches. |                              |                                                                 |                                                                                                                                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                                                                                           |                           |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                  | Date: <u>August 14, 2002</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------|------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                      | ACTION NEEDED                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                                                                                                  | MONITOR                      | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                            | Surface Cracking      | Soil cover mostly dry after hot July and early August. No cracking observed.                     |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                        |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                            | Low Area              | None observed. All areas level and secure.                                                       |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                            | Ruts or Puddles       | None observed. Surface soils dry after hot July and early August. Soils able to absorb moisture. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                            | Vegetation Condition  | Vegetation very abundant Very little signs of straw and mulch.                                   |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17. Recommendations noted                    |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       | in August 1 letter from Jamie Poell.                                                             |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7                            | Settlement/Subsidence | None observed. Upper surface strong and secure.                                                  |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.                     |                              |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Slide, Slough, Scarp  | None observed. All side slopes dry after spring and late summer rains.                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                        |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                            | Erosion               | Surface strong and secure. No signs of erosion from side slopes at the site.                     |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                            | Vegetation Condition  | Wheat grass well established. See comments from CAMU site revegetation letter.                   |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17. Recommendations noted                    |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       | in August 1 letter from Jamie Poell.                                                             |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6                            | Exposed Liner         | None observed.                                                                                   |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7                            | Seepage               | None observed.                                                                                   |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.             |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 9                            | Settlement/Subsidence | None observed.                                                                                   |                              |             |        |
| Additional Comments: The temperature during the inspection was about 75°F with strong (20-25 mph) winds from the west. The skies were partly cloudy with a slight chance rain showers. On July 17, Jamie Poell conducted a CAMU site revegetation survey. In accordance with the recommendations in the survey, the vegetation was mowed by Lloyd Hutingier on August 7th and 9th. The vegetation was effectively mowed to a height of 6-8 inches. On August 14, 2002, Chip Foster was observed disking the field west of the CAMU. At Asarco's request, Chip Foster indicated that he could spot treat the bind weed inside the CAMU fence the next time he was conducting spraying on his own fields. Chip Foster will consider cultivating more of the crop land adjacent to the CAMU during the next spring planting. The security fence was in excellent condition. The gates to the CAMU was locked and secured. The locks on the monitoring wells were in place. There was an abundance of grasshoppers observed on and around the CAMU. There were birds that were nesting in the areas. The stormwater and orange, wind fence remain secure and intact. No photographs of the CAMU were taken. |                              |                       |                                                                                                  |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                                                                                                  |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                                                                                                  |                              |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                           | Date: August 14, 2002 |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                               | ACTION NEEDED         |             |        |
|                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                                                                                           | MONITOR               | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                     | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils dry. Wheat grass well established. Straw and mulch beginning to decay. No sign of vegetative obstruction and no sign of sedimentation.                                                                                                                      |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 2                            | Toe Ditches - evidence of erosion                               | Surface soils dry. No sign of erosion.                                                                                                                                                                                                                                    |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils dry. Wheat grass well established. The vegetation in the stormwater basin was mowed on August 7th and 9th.                                                                                                                                                  |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils dry. Wheat grass well established. Straw and mulch decaying. No sign of sediment or wash-out. Vegetation mowed on August 7th and 9th.                                                                                                                       |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils dry. Wheat grass well established. Straw and mulch decaying. No sign of run-on into the basin.                                                                                                                                                              |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass well established. Farmer maintaining area. No sign of runoff into the diversion ditch.                                                                                                                                                                   |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Surface soils dry. Straw and mulch decaying. Storm water berms are intact and secure with no erosion.                                                                                                                                                                     |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Surface soils dry. Grass well established. No sign of diversion ditch over-topping.                                                                                                                                                                                       |                       |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                 | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                             |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred in May 2002. |                       |             |        |
|                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                                                                                           |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in May 2002.      |                       |             |        |
|                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                                                                                           |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                   |                       |             |        |
|                                                                                                                                                                                                                                                                                                             | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                |                       |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                        |                              |                                                                 |                                                                                                                                                                                                                                                                           |                       |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation is well established outside the primary containment area with well-established stands of grass and some broad leaf plants. The vegetation in the CAMU was mowed on August 7th and 9th. |                              |                                                                 |                                                                                                                                                                                                                                                                           |                       |             |        |
|                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                                                                                           |                       |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                | Date: <u>Sept. 25, 2002</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                    | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Surface Cracking      | Soil cover mostly dry after hot summer. No cracking observed.                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Low Area              | None observed. All areas level and secure.                                                                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Ruts or Puddles       | None observed. Surface soils dry after hot summer. Soils able to absorb moisture.                                              |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Vegetation Condition  | Vegetation very abundant. Vegetation mowed to height of about 8-10 inches.                                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Settlement/Subsidence | None observed. Upper surface strong and secure.                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.                                                   |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                            | Slide, Slough, Scarp  | None observed. All side slopes dry.                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Erosion               | Surface strong and secure. No signs of erosion from side slopes at the site.                                                   |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Vegetation Condition  | Wheat grass well established. See comments from CAMU site revegetation letter.                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Exposed Liner         | None observed.                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Seepage               | None observed.                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9                            | Settlement/Subsidence | None observed.                                                                                                                 |                             |             |        |
| Additional Comments: The temperature during the inspection was about 40°F with 10 mph winds from the west. The skies were clear and sunny with a typical fall day. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. There was some insects (grasshoppers) observed but the cool night time temperatures have reduced the population. Migratory geese were observed feeding in the fields south of the CAMU primary containment. No song birds were observed. The storm water fence remains in place. |                              |                       |                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                            | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                               | Date: <u>Sept. 25, 2002</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                           | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                   | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                               | MONITOR                     | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                   | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils dry. Wheat grass well established. Cover straw and mulch decayed. No sign of vegetative obstruction and no sign of sedimentation.                                                                                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 2                            | Toe Ditches - evidence of erosion                               | Surface soils dry. No sign of erosion.                                                                                                                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils dry. Wheat grass well established. The vegetation in the stormwater basin was mowed on August 7-9, 2002.                                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils dry. Wheat grass well established. Cover straw and mulch decayed. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils dry. Wheat grass well established. Cover straw and mulch decayed. No sign of run-on into the basin.                                                                                                                                             |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass well established. Farmer maintaining area. No sign of runoff into the diversion ditch.                                                                                                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Surface soils dry. Cover straw and mulch decayed. Storm water berms are intact and secure with no erosion.                                                                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Surface soils dry. Grass well established. No sign of diversion ditch over-topping.                                                                                                                                                                           |                             |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                               | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred  |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in Ma |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                           | Additional Comments:         |                                                                 |                                                                                                                                                                                                                                                               |                             |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation is well established outside the primary containment area with well-established stands of grass and some broad leaf plants. The vegetation in the CAMU was mowed on August 7-9, 2002. |                              |                                                                 |                                                                                                                                                                                                                                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                                                                               |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u> <i>[Signature]</i>                                                                             | Date: <u>October 15, 2002</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                    | ACTION NEEDED                 |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                | MONITOR                       | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                            | Surface Cracking      | Soil cover mostly dry after hot summer and Fall. No cracking observed.                                                         |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Low Area              | None observed. All areas level and secure.                                                                                     |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Ruts or Puddles       | None observed. Surface soils dry after hot summer and Fall. Soils able to absorb moisture.                                     |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Vegetation Condition  | Vegetation beginning to wither with colder temperatures                                                                        |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Settlement/Subsidence | None observed. Upper surface strong and secure.                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.                                                   |                               |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                            | Slide, Slough, Scarp  | None observed. All side slopes dry.                                                                                            |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Erosion               | Surface strong and secure. No signs of erosion from side slopes at the site.                                                   |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Vegetation Condition  | Grasses starting to wither. See comments from CAMU site revegetation letter.                                                   |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Exposed Liner         | None observed.                                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Seepage               | None observed.                                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                           |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9                            | Settlement/Subsidence | None observed.                                                                                                                 |                               |             |        |
| Additional Comments: The temperature during the inspection was about 54°F with 10 mph winds from the southwest. The skies were clear and sunny with a typical late fall day. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. There was few insects (grasshoppers) observed. The cool night time temperatures have reduced the population. Storm water fences remain in place. |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                                                |                               |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                               | Cell No. <b>PHASE I CELL</b> |                                                                 | Inspected by: <b>Jon Nickel</b>                                                                                                                                                                                                                               | Date: <b>October 15, 2002</b> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                              | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                   | ACTION NEEDED                 |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                                                                               | MONITOR                       | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                      | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils dry. Wheat grass well established. Cover straw and mulch decayed. No sign of vegetative obstruction and no sign of sedimentation.                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Toe Ditches - evidence of erosion                               | Surface soils dry. No sign of erosion.                                                                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils dry. Vegetation beginning to wither. The vegetation in the stormwater basin was mowed on August 7-9, 2002.                                                                                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils dry. Vegetation beginning to wither. Cover straw and mulch decayed. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils dry. Vegetation beginning to wither. Cover straw and mulch decayed. No sign of run-on into the basin.                                                                                                                                           |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass well established. No sign of runoff into the diversion ditch.                                                                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Surface soils dry. Cover straw and mulch decayed. Storm water berms are intact and secure with no erosion.                                                                                                                                                    |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Surface soils dry. Grass well established. No sign of diversion ditch over-topping.                                                                                                                                                                           |                               |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                  | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred  |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in Ma |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                                                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                    |                               |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                                                                                                               |                               |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation is well established outside the primary containment area with well-established stands of grass and some broad leaf plants. The vegetation in the CAMU was mowed on August 7-9, 2002. The vegetation is starting to wither because of cold temperatures. |                              |                                                                 |                                                                                                                                                                                                                                                               |                               |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                | Date: <u>November 12, 2002</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                    | ACTION NEEDED                  |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Surface Cracking      | Soil cover dry. No snow or precipitation. No cracking observed.                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed. Hungarian partridges flushed.                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Low Area              | None observed. All areas level and secure.                                                                                     |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Ruts or Puddles       | None observed. Surface soils dry. No snow or precipitation. Soils able to absorb moisture.                                     |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Vegetation Condition  | Vegetation dry from cold temperatures.                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Settlement/Subsidence | None observed. Upper surface strong and secure.                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.                                                   |                                |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Slide, Slough, Scarp  | None observed. All side slopes dry.                                                                                            |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Erosion               | Surface strong and secure. No signs of erosion from side slopes at the site.                                                   |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Vegetation Condition  | Vegetation dry from cold temperatures. See comments from CAMU site revegetation letter.                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Exposed Liner         | None observed.                                                                                                                 |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Seepage               | None observed.                                                                                                                 |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9                            | Settlement/Subsidence | None observed.                                                                                                                 |                                |             |        |
| Additional Comments: The temperature during the inspection was about 38°F with 10 -15 mph winds from the south. The skies were heavily overcast with a threat of rain or snow. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. There were no insects noted but a flock of about 20 Hungarian partridges were feeding on CAMU upper surface. Storm water fences remained in place. |                              |                       |                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                |                                |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                              | Cell No. <u>PHASE I CELL</u>                                                                                                                                                                                                                                                                                                                                                             |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                      | Date: <u>November 12, 2002</u> |             |        |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                             | ITEM NO.                                                                                                                                                                                                                                                                                                                                                                                 | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                          | ACTION NEEDED                  |             |        |
|                                             |                                                                                                                                                                                                                                                                                                                                                                                          |                                                                 |                                                                                                                                                                                                                                                                      | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                     | 1                                                                                                                                                                                                                                                                                                                                                                                        | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils dry. Wheat grass well established. Cover straw and mulch decayed. No sign of vegetative obstruction and no sign of sedimentation.                                                                                                                      |                                |             |        |
|                                             | 2                                                                                                                                                                                                                                                                                                                                                                                        | Toe Ditches - evidence of erosion                               | Surface soils dry. No sign of erosion.                                                                                                                                                                                                                               |                                |             |        |
|                                             | 3                                                                                                                                                                                                                                                                                                                                                                                        | Stormwater Basin - excessive vegetation/sedimentation           | Surface soils dry. Vegetation very dry. The vegetation in the stormwater basin was mowed on August 7-9, 2002.                                                                                                                                                        |                                |             |        |
|                                             | 4                                                                                                                                                                                                                                                                                                                                                                                        | Stormwater Basin - presence of sand (washout of drainage layer) | Surface soils dry. Vegetation very dry. Cover straw and mulch decayed. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                                        |                                |             |        |
|                                             | 5                                                                                                                                                                                                                                                                                                                                                                                        | Stormwater Basin - Evidence of erosion or overtopping           | Surface soils dry. Vegetation very dry. Cover straw and mulch decayed. No sign of run-on into the basin.                                                                                                                                                             |                                |             |        |
|                                             | 6                                                                                                                                                                                                                                                                                                                                                                                        | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass well established. No sign of runoff into the diversion ditch.                                                                                                                                                                                       |                                |             |        |
|                                             | 7                                                                                                                                                                                                                                                                                                                                                                                        | Upstream Diversion Ditch - evidence of erosion                  | Surface soils dry. Cover straw and mulch decayed. Storm water berms are intact and secure with no erosion.                                                                                                                                                           |                                |             |        |
|                                             | 8                                                                                                                                                                                                                                                                                                                                                                                        | Upstream Diversion Ditch - evidence of overtopping              | Surface soils dry. Grass well established. No sign of diversion ditch over-topping.                                                                                                                                                                                  |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS | 1                                                                                                                                                                                                                                                                                                                                                                                        | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                        |                                |             |        |
|                                             | 2                                                                                                                                                                                                                                                                                                                                                                                        | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred in May. |                                |             |        |
|                                             | 3                                                                                                                                                                                                                                                                                                                                                                                        | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in May.      |                                |             |        |
|                                             | 4                                                                                                                                                                                                                                                                                                                                                                                        | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                              |                                |             |        |
|                                             | 5                                                                                                                                                                                                                                                                                                                                                                                        | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                           |                                |             |        |
|                                             | Additional Comments:<br>The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation is well established outside the primary containment area with well-established stands of grass and some broad leaf plants. The vegetation in the CAMU was mowed on August 7-9, 2002. The vegetation is very dry from the cold temperatures. |                                                                 |                                                                                                                                                                                                                                                                      |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>December 13, 2002</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                            | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED                  |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                              | 1                            | Surface Cracking      | Upper surface covered with 2-3" of snow and could not be visually inspected.         |                                |             |        |
|                                                                                                                                                                            | 2                            | Animal Burrows        | None observed. No evidence of animals on upper surface.                              |                                |             |        |
|                                                                                                                                                                            | 3                            | Low Area              | No low areas were observed through 2-3" of snow.                                     |                                |             |        |
|                                                                                                                                                                            | 4                            | Ruts or Puddles       | None observed. The surface soils are hard packed with snow.                          |                                |             |        |
|                                                                                                                                                                            | 5                            | Vegetation Condition  | Vegetation dormant with the cold temperatures and snow.                              |                                |             |        |
|                                                                                                                                                                            | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                                |             |        |
|                                                                                                                                                                            |                              |                       | in August 1,2002 letter from Jamie Poell. All surface areas covered with snow.       |                                |             |        |
|                                                                                                                                                                            | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking of surface.                       |                                |             |        |
| SIDE SLOPE                                                                                                                                                                 | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.         |                                |             |        |
|                                                                                                                                                                            | 1                            | Slide, Slough, Scarp  | Side slopes covered with 2-3" of snow and could not be visually inspected            |                                |             |        |
|                                                                                                                                                                            | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                            |                                |             |        |
|                                                                                                                                                                            | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                                |             |        |
|                                                                                                                                                                            | 4                            | Vegetation Condition  | Vegetation dormant with cold temperatures and snow.                                  |                                |             |        |
|                                                                                                                                                                            | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                                |             |        |
|                                                                                                                                                                            |                              |                       | in August 1,2002 letter from Jamie Poell. All surface areas covered with snow.       |                                |             |        |
|                                                                                                                                                                            | 6                            | Exposed Liner         | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                            | 7                            | Seepage               | None observed.                                                                       |                                |             |        |
|                                                                                                                                                                            | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                                |             |        |
| 9                                                                                                                                                                          | Settlement/Subsidence        | None observed.        |                                                                                      |                                |             |        |
| Additional Comments: The temperature during the inspection was about 41°F with 15 -20 mph winds from the west. The skies were overcast with little threat of rain or snow. |                              |                       |                                                                                      |                                |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                                   |                              |                       |                                                                                      |                                |             |        |
| Storm water fence (northwest corner) near the storm water containment basin was covered with drifting snow.                                                                |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                                            |                              |                       |                                                                                      |                                |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                               | Date: <u>December 13, 2002</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                       | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                                   | ACTION NEEDED                  |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                               | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                               | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Surface soils covered with snow. Vegetation dormant. No sign of vegetative obstruction. Snow has drifted over the toe ditch.                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                       | 2                            | Toe Ditches - evidence of erosion                               | Toe ditch covered with snow. No sign of erosion.                                                                                                                                                                                                                              |                                |             |        |
|                                                                                                                                                                       | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Storm water basin covered with snow. The vegetation in the stormwater basin was mowed on August 7-9, 2002.                                                                                                                                                                    |                                |             |        |
|                                                                                                                                                                       | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Storm water basin covered with snow. No sign of sediment or wash-out under snow. Vegetation mowed on August 7-9, 2002.                                                                                                                                                        |                                |             |        |
|                                                                                                                                                                       | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | Storm water basin covered with snow. No sign of run-on into the basin.                                                                                                                                                                                                        |                                |             |        |
|                                                                                                                                                                       | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass are dormant. No sign of runoff into the diversion ditch.                                                                                                                                                                                                     |                                |             |        |
|                                                                                                                                                                       | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Diversion ditch covered with snow. Storm water berms are intact and secure with no erosion.                                                                                                                                                                                   |                                |             |        |
|                                                                                                                                                                       | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Diversion ditch covered with snow. No sign of diversion ditch over-topping.                                                                                                                                                                                                   |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                           | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                                 |                                |             |        |
|                                                                                                                                                                       | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred                  |                                |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                       | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in May 2 and 3, 2002. |                                |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                       | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                       |                                |             |        |
|                                                                                                                                                                       | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                    |                                |             |        |
| Additional Comments:                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                                                                                               |                                |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation outside the primary containment area is dormant. |                              |                                                                 |                                                                                                                                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                               |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                        | Date: <u>January 20, 2003</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                               | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                            | ACTION NEEDED                 |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        | MONITOR                       | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                 | 1                            | Surface Cracking      | Upper surface covered with patchy ice and snow. No surface cracking.                                                                                                   |                               |             |        |
|                                                                                                                                                               | 2                            | Animal Burrows        | None observed. No evidence of animals on upper surface.                                                                                                                |                               |             |        |
|                                                                                                                                                               | 3                            | Low Area              | No low areas were observed through patchy ice and snow.                                                                                                                |                               |             |        |
|                                                                                                                                                               | 4                            | Ruts or Puddles       | None observed. The surface soils are hard packed with ice and snow.                                                                                                    |                               |             |        |
|                                                                                                                                                               | 5                            | Vegetation Condition  | Vegetation dormant with the cold temperatures and snow.                                                                                                                |                               |             |        |
|                                                                                                                                                               | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Surface areas covered with patchy snow. |                               |             |        |
|                                                                                                                                                               | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking of surface.                                                                                                         |                               |             |        |
|                                                                                                                                                               | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.                                                                                           |                               |             |        |
| SIDE SLOPE                                                                                                                                                    | 1                            | Slide, Slough, Scarp  | Side slopes contains patchy ice and snow. No slides or sloughs.                                                                                                        |                               |             |        |
|                                                                                                                                                               | 2                            | Animal Burrows        | None observed. No tracking of burrowing animals observed.                                                                                                              |                               |             |        |
|                                                                                                                                                               | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                      |                               |             |        |
|                                                                                                                                                               | 4                            | Vegetation Condition  | Vegetation dormant with cold temperatures and snow.                                                                                                                    |                               |             |        |
|                                                                                                                                                               | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All surface areas covered with snow.    |                               |             |        |
|                                                                                                                                                               | 6                            | Exposed Liner         | None observed.                                                                                                                                                         |                               |             |        |
|                                                                                                                                                               | 7                            | Seepage               | None observed.                                                                                                                                                         |                               |             |        |
|                                                                                                                                                               | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                   |                               |             |        |
|                                                                                                                                                               | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                         |                               |             |        |
| Additional Comments: The temperature during the inspection was about 44°F with 5 mph winds from the west. The skies were overcast with slight chance of snow. |                              |                       |                                                                                                                                                                        |                               |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                      |                              |                       |                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                               |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                             | Date: <u>January 20, 2003</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                       | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                                 | ACTION NEEDED                 |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                             | MONITOR                       | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                               | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground hard and frozen. Vegetation dormant. No sign of vegetative obstruction.                                                                                                                                                                                              |                               |             |        |
|                                                                                                                                                                       | 2                            | Toe Ditches - evidence of erosion                               | No sign of erosion. Ground has patchy ice and snow.                                                                                                                                                                                                                         |                               |             |        |
|                                                                                                                                                                       | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Ground frozen. The vegetation in the stormwater basin was mowed on August 7-9, 2002.                                                                                                                                                                                        |                               |             |        |
|                                                                                                                                                                       | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground frozen. No sign of sediment or wash-out under patchy snow. Vegetation mowed on August 7-9, 2002.                                                                                                                                                                     |                               |             |        |
|                                                                                                                                                                       | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of run-on into the basin.                                                                                                                                                                                                                                           |                               |             |        |
|                                                                                                                                                                       | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass are dormant. No sign of runoff into the diversion ditch.                                                                                                                                                                                                   |                               |             |        |
|                                                                                                                                                                       | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Diversion ditch ground frozen. Storm water berms are intact and secure with no erosion.                                                                                                                                                                                     |                               |             |        |
|                                                                                                                                                                       | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Diversion ditch ground frozen. No sign of diversion ditch over-topping.                                                                                                                                                                                                     |                               |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                           | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                               |                               |             |        |
|                                                                                                                                                                       | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred May 2-3, 2002. |                               |             |        |
|                                                                                                                                                                       | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in May 2-3, 2002.   |                               |             |        |
|                                                                                                                                                                       | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                     |                               |             |        |
|                                                                                                                                                                       | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                  |                               |             |        |
|                                                                                                                                                                       | Additional Comments:         |                                                                 |                                                                                                                                                                                                                                                                             |                               |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation outside the primary containment area is dormant. |                              |                                                                 |                                                                                                                                                                                                                                                                             |                               |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                             |                               |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                             |                               |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                          | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>February 11, 2003</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                         | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED                  |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                           | 1                            | Surface Cracking      | Upper surface covered with 3-4" of snow. No surface cracking.                        |                                |             |        |
|                                                                                                                                                         | 2                            | Animal Burrows        | None observed. Small mammal or bird tracks on upper surface.                         |                                |             |        |
|                                                                                                                                                         | 3                            | Low Area              | No low areas were observed through 3-4 " of snow.                                    |                                |             |        |
|                                                                                                                                                         | 4                            | Ruts or Puddles       | None observed. The surface soils are hard packed snow.                               |                                |             |        |
|                                                                                                                                                         | 5                            | Vegetation Condition  | Vegetation dormant with the cold temperatures and snow.                              |                                |             |        |
|                                                                                                                                                         | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                                |             |        |
|                                                                                                                                                         |                              |                       | in August 1,2002 letter from Jamie Poell. Surface areas covered with 3-4"snow.       |                                |             |        |
|                                                                                                                                                         | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking of surface.                       |                                |             |        |
| SIDE SLOPE                                                                                                                                              | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff at the site.         |                                |             |        |
|                                                                                                                                                         | 1                            | Slide, Slough, Scarp  | Side slopes contains 3-4" of snow. No slides or sloughs.                             |                                |             |        |
|                                                                                                                                                         | 2                            | Animal Burrows        | None observed. Small mammal or bird tracking observed on snow surface.               |                                |             |        |
|                                                                                                                                                         | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                                |             |        |
|                                                                                                                                                         | 4                            | Vegetation Condition  | Vegetation dormant with cold temperatures and snow.                                  |                                |             |        |
|                                                                                                                                                         | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                                |             |        |
|                                                                                                                                                         |                              |                       | in August 1,2002 letter from Jamie Poell. All surface areas covered with snow.       |                                |             |        |
|                                                                                                                                                         | 6                            | Exposed Liner         | None observed.                                                                       |                                |             |        |
|                                                                                                                                                         | 7                            | Seepage               | None observed.                                                                       |                                |             |        |
|                                                                                                                                                         | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                                |             |        |
| 9                                                                                                                                                       | Settlement/Subsidence        | None observed.        |                                                                                      |                                |             |        |
| Additional Comments: The temperature during the inspection was about 34°F with 10 mph winds from the west. The skies were clear with no chance of snow. |                              |                       |                                                                                      |                                |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      |                                |             |        |
|                                                                                                                                                         |                              |                       |                                                                                      |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                             | Date: <u>February 11, 2003</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                       | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                                 | ACTION NEEDED                  |             |        |
|                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                                                                                             | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                               | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground hard and frozen. Vegetation dormant. No sign of vegetative obstruction.                                                                                                                                                                                              |                                |             |        |
|                                                                                                                                                                       | 2                            | Toe Ditches - evidence of erosion                               | No sign of erosion. Ground has 3-4" of snow.                                                                                                                                                                                                                                |                                |             |        |
|                                                                                                                                                                       | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | Ground frozen. The vegetation in the stormwater basin was mowed on August 7-9, 2002.                                                                                                                                                                                        |                                |             |        |
|                                                                                                                                                                       | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground frozen. No sign of sediment or wash-out under patchy snow. Vegetation mowed on August 7-9, 2002.                                                                                                                                                                     |                                |             |        |
|                                                                                                                                                                       | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of run-on into the basin.                                                                                                                                                                                                                                           |                                |             |        |
|                                                                                                                                                                       | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass are dormant. No sign of runoff into the diversion ditch.                                                                                                                                                                                                   |                                |             |        |
|                                                                                                                                                                       | 7                            | Upstream Diversion Ditch - evidence of erosion                  | Diversion ditch ground frozen. Storm water berms are intact and secure with no erosion.                                                                                                                                                                                     |                                |             |        |
|                                                                                                                                                                       | 8                            | Upstream Diversion Ditch - evidence of overtopping              | Diversion ditch ground frozen. No sign of diversion ditch over-topping.                                                                                                                                                                                                     |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                           | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                       | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leachate collection system occurred May 2-3, 2002. |                                |             |        |
|                                                                                                                                                                       | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. The last pumping of the leak detection system occurred in May 2-3, 2002.   |                                |             |        |
|                                                                                                                                                                       | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                     |                                |             |        |
|                                                                                                                                                                       | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                       | Additional Comments:         |                                                                 |                                                                                                                                                                                                                                                                             |                                |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation outside the primary containment area is dormant. |                              |                                                                 |                                                                                                                                                                                                                                                                             |                                |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area.                                                                      |                              |                                                                 |                                                                                                                                                                                                                                                                             |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED | Cell No. PHASE I CELL                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       | Inspected by: Jon Nickel                                                                                                                                                 | Date: March 19, 2003 |             |        |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|--------|
|                | ITEM NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CONDITION             | OBSERVATION                                                                                                                                                              | MONITOR              | INVESTIGATE | REPAIR |
| UPPER SURFACE  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Surface Cracking      | Surface void of snow but still frozen and/or wet. No surface cracking.                                                                                                   |                      |             |        |
|                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Animal Burrows        | None observed.                                                                                                                                                           |                      |             |        |
|                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Low Area              | No low areas were observed.                                                                                                                                              |                      |             |        |
|                | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ruts or Puddles       | None observed. The surface soils are wet from snow melt.                                                                                                                 |                      |             |        |
|                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Vegetation Condition  | Vegetation dormant with the cold temperatures.                                                                                                                           |                      |             |        |
|                | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Surface areas void of snow but still wet. |                      |             |        |
|                | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Settlement/Subsidence | None observed. No settlement observed when walking of surface.                                                                                                           |                      |             |        |
|                | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Erosion               | Surface soils solid and secure. No sign of upper surface runoff even after snow melt.                                                                                    |                      |             |        |
| SIDE SLOPE     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Slide, Slough, Scarp  | Side slopes soils frozen and/or wet. No slides or sloughs.                                                                                                               |                      |             |        |
|                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Animal Burrows        | None observed. No animal observed on side slopes.                                                                                                                        |                      |             |        |
|                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                        |                      |             |        |
|                | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Vegetation Condition  | Vegetation dormant with cold temperatures.                                                                                                                               |                      |             |        |
|                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All surface area soils wet.               |                      |             |        |
|                | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Exposed Liner         | None observed.                                                                                                                                                           |                      |             |        |
|                | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Seepage               | None observed.                                                                                                                                                           |                      |             |        |
|                | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                     |                      |             |        |
|                | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Settlement/Subsidence | None observed.                                                                                                                                                           |                      |             |        |
|                | Additional Comments: The temperature during the inspection was about 37°F with calm winds. The skies were clear with no chance of snow. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. Geese were observed in the straw fields to the south of the CAMU primary containment area. Deer tracks and dropping were observed in the area between the primary containment fence and the snow fence. |                       |                                                                                                                                                                          |                      |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                          |                      |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                          |                      |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                          |                      |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                          |                      |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cell No. PHASE I CELL |                                                                 | Inspected by: Jon Nickel                                                                                                                                                                         | Date: March 19, 2003 |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ITEM NO.              | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED        |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                                 |                                                                                                                                                                                                  | MONITOR              | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                     | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground wet and frozen. Vegetation dormant. No sign of vegetative obstruction.                                                                                                                    |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                     | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                     | Stormwater Basin - excessive vegetation/sedimentation           | Eastern quarter of basin contains frozen ice. The vegetation was dormant with some straw protruding from the soils.                                                                              |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                     | Stormwater Basin - presence of sand (washout of drainage layer) | Ground mostly frozen. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                     |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                     | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                     | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation/grass are dormant. Sediment is evident in the middle of the diversion ditch from March 13, 2003 snow melt.                                                                            |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                     | Upstream Diversion Ditch - evidence of erosion                  | The middle of the diversion ditch shows evidence of erosion from March 13, 2003 snow melt.                                                                                                       |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                     | Upstream Diversion Ditch - evidence of overtopping              | The middle of the diversion ditch shows sign of over-topping from March 13, 2003 snow melt.                                                                                                      |                      |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                     | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                     | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                                 |                                                                                                                                                                                                  |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                     | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                                 |                                                                                                                                                                                                  |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                     | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                     | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                      |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                                                                 |                                                                                                                                                                                                  |                      |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation outside the primary containment area is dormant.                                                                                                                                                                                                                                                                                                                                     |                       |                                                                 |                                                                                                                                                                                                  |                      |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. All of the snow was melted. The soils in the area were mostly frozen with some melting of surface soils. There is evidence that the upstream diversion ditch performed well in diverting snow melt away from the CAMU primary containment area during the March 13, 2003 snow melt. Some of the surface soils in the agricultural fields (south and east of the CAMU) has eroded in the snow melt event. |                       |                                                                 |                                                                                                                                                                                                  |                      |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                  | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                         | Date: <u>April 8, 2003</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                 | ITEM NO.                     | CONDITION             | OBSERVATION                                                                             | ACTION NEEDED              |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                   | 1                            | Surface Cracking      | Surface void of all snow and dry. No surface cracking.                                  |                            |             |        |
|                                                                                                                                                                 | 2                            | Animal Burrows        | None observed.                                                                          |                            |             |        |
|                                                                                                                                                                 | 3                            | Low Area              | No low areas were observed.                                                             |                            |             |        |
|                                                                                                                                                                 | 4                            | Ruts or Puddles       | None observed. The surface soils are dry with evidence of vegetations sprouting.        |                            |             |        |
|                                                                                                                                                                 | 5                            | Vegetation Condition  | Vegetation grasses beginning to sprout, about 3-4 inches tall.                          |                            |             |        |
|                                                                                                                                                                 | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted      |                            |             |        |
|                                                                                                                                                                 |                              |                       | in August 1,2002 letter from Jamie Poell. Surface areas void of all snow and dry.       |                            |             |        |
|                                                                                                                                                                 | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                          |                            |             |        |
| SIDE SLOPE                                                                                                                                                      | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff even after winter snow. |                            |             |        |
|                                                                                                                                                                 | 1                            | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                            |                            |             |        |
|                                                                                                                                                                 | 2                            | Animal Burrows        | None observed. No animal observed on side slopes.                                       |                            |             |        |
|                                                                                                                                                                 | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                       |                            |             |        |
|                                                                                                                                                                 | 4                            | Vegetation Condition  | Vegetation grasses beginning to sprout.                                                 |                            |             |        |
|                                                                                                                                                                 | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted      |                            |             |        |
|                                                                                                                                                                 |                              |                       | in August 1,2002 letter from Jamie Poell. All surface area soils dry.                   |                            |             |        |
|                                                                                                                                                                 | 6                            | Exposed Liner         | None observed.                                                                          |                            |             |        |
|                                                                                                                                                                 | 7                            | Seepage               | None observed.                                                                          |                            |             |        |
|                                                                                                                                                                 | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.    |                            |             |        |
|                                                                                                                                                                 | 9                            | Settlement/Subsidence | None observed.                                                                          |                            |             |        |
| Additional Comments: The temperature during the inspection was about 49°F with calm winds. The skies were clear with no chance of precipitation.                |                              |                       |                                                                                         |                            |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                        |                              |                       |                                                                                         |                            |             |        |
| Deer tracks and dropping were observed in the all areas (north, east, west, and south) between primary fence and secondary, orange fence and storm water fence. |                              |                       |                                                                                         |                            |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         |                            |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         |                            |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         |                            |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         |                            |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         |                            |             |        |
|                                                                                                                                                                 |                              |                       |                                                                                         |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>April 8, 2003</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground dry with grasses starting to sprout. Grasses about 3-4 inches tall.                                                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All areas of basin dry. The vegetation was beginning to sprout from soft soil.                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground dry. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses beginning to sprout. No new sediment evident in the diversion ditch.                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping.                                                                                                                                                       |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                            |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation inside and outside the primary containment area beginning to sprout. The orange snow fence was pulled down on the northwest corner of the secondary containment area. All of areas dry. The soils in the area were dry and soft. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                                                                                                               | Date: May 14, 2003 |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.              | CONDITION             | OBSERVATION                                                                                                                                                            | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                       |                                                                                                                                                                        | MONITOR            | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                     | Surface Cracking      | Surface void of all snow and dry. No surface cracking.                                                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                     | Animal Burrows        | One small hole by southeast vent pipe. Hole covered and will monitor.                                                                                                  |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                     | Low Area              | No low areas were observed.                                                                                                                                            |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                     | Ruts or Puddles       | None observed. The surface soils are dry with grass and clover about 6-8 inches.                                                                                       |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                     | Vegetation Condition  | Grasses, clover, and alfalfa about 6-8 inches.                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Surface areas void of all snow and dry. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                     | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                     | Erosion               | Surface soils solid and secure. No sign of upper surface runoff even after spring rains.                                                                               |                    |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                     | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                                                                                                           |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                     | Animal Burrows        | None observed. A skunk was observed on the west slope.                                                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                     | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                     | Vegetation Condition  | Grasses and clover about 6-8 inches.                                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All surface area soils dry.             |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                     | Exposed Liner         | None observed.                                                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                     | Seepage               | None observed.                                                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 9                     | Settlement/Subsidence | None observed.                                                                                                                                                         |                    |             |        |
| Additional Comments: The temperature during the inspection was about 40°F with calm winds. The skies were clear with no chance of precipitation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                       |                                                                                                                                                                        |                    |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                                                                                                                                                                        |                    |             |        |
| Numerous species of birds were observed foraging in the grasses on and around the CAMU area. A skunk was foraging on the west slope of the CAMU and was later observed wandering in the west agricultural fields. There was a small burrow-type hole by the southeast vent pipe that was covered. The hole will be monitored to see if it is an animal burrow. On May 15th, the hole by the southeast vent pipe was no longer present. However, several small holes on the west side of the CAMU were observed. The holes were thought to be dug by pocket ground squirrels. Strychnine alkaloid grains were placed in these hole openings to eradicate the rodents. On May 19, 2003, wooden stakes with markers were placed at the site of rodent holes. On May, 20, 2003, all the marked holes were checked and no new signs of digging was evident. |                       |                       |                                                                                                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                       |                                                                                                                                                                        |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>May 14, 2003</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground dry with grasses and clover well established. Grasses about 6-8 inches tall.                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All areas of basin dry. The vegetation is well established.                                                                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground dry. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                               |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses well established. No new sediment evident in the diversion ditch.                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                           |             |        |
| <b>Additional Comments:</b><br>The last pumping of the leachate collection and leak detection systems occurred on May 2 and 3, 2002. The vegetation inside and outside the primary containment area is well established. The orange snow fence was pulled down on the northwest corner of the secondary containment area. All areas dry. The soils in the area were dry and soft. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                        | Date: <u>June 11, 2003</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                            | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                        | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                            | Surface Cracking      | No surface cracking evident. The soils were moist from recent rains.                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                            | Animal Burrows        | No new evidence of holes in upper surface. Former holes marked with stakes.                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                            | Low Area              | No low areas were observed.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                            | Ruts or Puddles       | Upper surface smooth. Small ruts from seed drill are still present.                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                            | Vegetation Condition  | Grasses, clover, alfalfa, and mustard about 12-14 inches.                                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Some binder weed and white top evident. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                            | Erosion               | Surface soils solid and secure. No sign of upper surface runoff even after late spring rains.                                                                          |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Slide, Slough, Scarp  | Side slopes soils mostly dry. No slides or sloughs.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                            | Animal Burrows        | None observed.                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                            | Vegetation Condition  | Grasses, clover, alfalfa, and mustard about 12 inches.                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Surface area soils mostly dry.          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                            | Exposed Liner         | None observed.                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                            | Seepage               | None observed.                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                         |                            |             |        |
| Additional Comments: The temperature during the inspection was about 65°F with northwest winds at 10 -20 mph. The skies were clear with mostly cloudy with a slight chance of precipitation. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. Several species of birds were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active. There were several larger burrow-type holes along the inside south and west primary fence. These holes are located away from the CAMU liners. These newly discovered burrows will be monitored to see if they remain active or threaten the CAMU liner. Since the last inspection, the grasses have become well developed and are providing a good habitat for small birds and insects. |                              |                       |                                                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                        |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>June 11, 2003</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground moist from recent rains. The grasses and clover are well established. The grasses are about 12 inches tall.                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All areas are moist from recent rains. The vegetation is well established and not excessive.                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground moist. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses well established. No new sediment evident in the diversion ditch.                                                                                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                            |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established with strong growth, especially on the top of the CAMU. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were moist and soft. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                   | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>July 7, 2003</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                  | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       |                                                                                      | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                    | 1                            | Surface Cracking      | No surface cracking evident. The soils were very dry from lack of rain.              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 2                            | Animal Burrows        | No new evidence of holes in upper surface. Former holes marked with stakes.          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 3                            | Low Area              | No low areas were observed.                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 4                            | Ruts or Puddles       | Upper surface smooth. Small ruts from seed drill are still present.                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 5                            | Vegetation Condition  | Most vegetation has died from lack of rain. Fox tails mostly prevalent.              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       | in August 1, 2002 letter from Jamie Poell. Some binder weed and white top evident.   |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 8                            | Erosion               | Surface soils solid and secure. Upper surface very dry.                              |                           |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                       | 1                            | Slide, Slough, Scarp  | Side slopes soils mostly dry. No slides or sloughs.                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 2                            | Animal Burrows        | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 4                            | Vegetation Condition  | Fox tails very prevalent on east slope.                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       | in August 1, 2002 letter from Jamie Poell. Surface area soils very dry.              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 6                            | Exposed Liner         | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 7                            | Seepage               | None observed.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  | 9                            | Settlement/Subsidence | None observed.                                                                       |                           |             |        |
| Additional Comments: The temperature during the inspection was about 75°F with calm winds. The skies were clear with no chance of precipitation. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                                        |                              |                       |                                                                                      |                           |             |        |
| Few birds and numerous grasshoppers were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active. There were several larger burrow-type holes along the inside south and west primary fence. These holes are located away from the CAMU liners. |                              |                       |                                                                                      |                           |             |        |
| These burrows are not a threat to the CAMU liner. The vegetation is very dry and beginning to die from lack of rain.                                                                                                                                                                                                             |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>July 7, 2003</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground very dry from lack of rains. The grasses are dying from lack of rain.                                                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All areas are moist from recent rains. The vegetation is well established and not excessive.                                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground very dry. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are very dry. No new sediment evident in the diversion ditch.                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                           |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established with strong growth, but the lack of rain is drying plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are very dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                               | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                                                                                                                      | Date: August 14, 2003 |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                              | ITEM NO.              | CONDITION             | OBSERVATION                                                                                                                                                                   | ACTION NEEDED         |             |        |
|                                                                                                                                                                                                                                                                                                                              |                       |                       |                                                                                                                                                                               | MONITOR               | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                | 1                     | Surface Cracking      | No surface cracking evident. The soils were very dry from lack of rain.                                                                                                       |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 2                     | Animal Burrows        | No new evidence of holes in upper surface.                                                                                                                                    |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 3                     | Low Area              | No low areas were observed.                                                                                                                                                   |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 4                     | Ruts or Puddles       | Upper surface smooth. Small ruts from seed drill are still present but beginning to smooth out.                                                                               |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 5                     | Vegetation Condition  | Most vegetation has died from lack of rain. Some sunflowers still present.                                                                                                    |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 6                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All vegetation dry from heat and lack of rain. |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 7                     | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                                |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 8                     | Erosion               | Surface soils solid and secure. Upper surface very dry.                                                                                                                       |                       |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                   | 1                     | Slide, Slough, Scarp  | Side slopes soils mostly dry. No slides or sloughs.                                                                                                                           |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 2                     | Animal Burrows        | None observed.                                                                                                                                                                |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 3                     | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                             |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 4                     | Vegetation Condition  | All vegetation dry from heat and lack of rain.                                                                                                                                |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 5                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Surface area soils very dry.                   |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 6                     | Exposed Liner         | None observed.                                                                                                                                                                |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 7                     | Seepage               | None observed.                                                                                                                                                                |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                          |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              | 9                     | Settlement/Subsidence | None observed.                                                                                                                                                                |                       |             |        |
| Additional Comments: The temperature during the inspection was about 70°F with winds 7mph from the south. The skies were hazy from forest fires with no chance of precipitation. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.    |                       |                       |                                                                                                                                                                               |                       |             |        |
| Few birds and numerous grasshoppers were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active. There were two larger burrow-type holes along the inside south and west primary fence. These holes are located away from the CAMU liners. |                       |                       |                                                                                                                                                                               |                       |             |        |
| These burrows are not a threat to the CAMU liner. The vegetation is very dry and has gone dormant from heat and lack of rain.                                                                                                                                                                                                |                       |                       |                                                                                                                                                                               |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              |                       |                       |                                                                                                                                                                               |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              |                       |                       |                                                                                                                                                                               |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              |                       |                       |                                                                                                                                                                               |                       |             |        |
|                                                                                                                                                                                                                                                                                                                              |                       |                       |                                                                                                                                                                               |                       |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>August 14, 2003</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                      | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground very dry from lack of rains. The grasses are dying from lack of rain.                                                                                                                     |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All areas are very dry from lack of rains. The vegetation is well established but is dormant and dry.                                                                                            |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground very dry. No sign of sediment or wash-out. Vegetation mowed on August 7-9, 2002.                                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are very dry. No new sediment evident in the diversion ditch.                                                                                                                 |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                              |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                              |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established with strong growth, but the lack of rain is drying plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are very dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                 | Date: <u>Sept. 18, 2003</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                     | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                 | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Surface Cracking      | No surface cracking evident. The soils were damp from recent rain.                              |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Animal Burrows        | No new evidence of holes in upper surface.                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Low Area              | No low areas were observed.                                                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Ruts or Puddles       | Upper surface smooth. Small ruts from seed drill are still present but beginning to smooth out. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Vegetation Condition  | Most vegetation has become dormant/brown from lack of rain. Grass about 6" high.                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted             |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       | in August 1, 2002 letter from Jamie Poell. All vegetation dormant/brown from lack of rain.      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                  |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8                            | Erosion               | Surface soils solid and secure. Upper surface moist from recent rain.                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Slide, Slough, Scarp  | Side slopes soils mostly dry. No slides or sloughs.                                             |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Animal Burrows        | None observed.                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Vegetation Condition  | All vegetation dormant and brown from heat and lack of rain.                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted             |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       | in August 1, 2002 letter from Jamie Poell.                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Exposed Liner         | None observed.                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Seepage               | None observed.                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9                            | Settlement/Subsidence | None observed.                                                                                  |                             |             |        |
| Additional Comments: The temperature during the inspection was about 40°F with calm winds. The skies were clear with no chance of precipitation. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                                                                                                                                                                                                                                    |                              |                       |                                                                                                 |                             |             |        |
| A few birds and several grasshoppers were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active. There were no burrow-type holes along the primary fence. Animal dropping, probably skunk or raccoon, were observed inside the primary containment fence near MW-2 and the south fence. The vegetation is very dry and brown and has gone dormant from heat and lack of rain. The grass is about 6 inches after the July 22, 2003 mowing. |                              |                       |                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                 |                             |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>Sept. 18, 2003</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                     | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground moist very recent rains. The grasses are dormant/brown from lack of rain.                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils were moist from recent rains. The vegetation is well established but is dormant and dry.                                                                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground very dry. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                             |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are very dry. No new sediment evident in the diversion ditch.                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                             |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                             |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established with strong growth, but the lack of rain has dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were moist from recent rains. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                 | Date: <u>October 13, 2003</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                     | ACTION NEEDED                 |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                                 | MONITOR                       | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Surface Cracking      | No surface cracking evident. The soils were very dry from lack of rain.                         |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                            | Animal Burrows        | No new evidence of holes in upper surface.                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                            | Low Area              | No low areas were observed.                                                                     |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                            | Ruts or Puddles       | Upper surface smooth. Small ruts from seed drill are still present but beginning to smooth out. |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                            | Vegetation Condition  | All vegetation has become dormant/brown from cold temperatures.                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted              |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       | in August 1,2002 letter from Jamie Poell. All vegetation dormant/brown.                         |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                  |                               |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                            | Erosion               | Surface soils solid and secure. Upper surface very dry from lack of rain.                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                            | Slide, Slough, Scarp  | Side slopes soils mostly dry. No slides or sloughs.                                             |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                            | Animal Burrows        | None observed.                                                                                  |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                               |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                            | Vegetation Condition  | All vegetation dormant and brown from lack of rain.                                             |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted              |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       | in August 1,2002 letter from Jamie Poell.                                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6                            | Exposed Liner         | None observed.                                                                                  |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7                            | Seepage               | None observed.                                                                                  |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.            |                               |             |        |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Settlement/Subsidence        | None observed.        |                                                                                                 |                               |             |        |
| Additional Comments: The temperature during the inspection was about 40°F with winds west at 15 mph. The skies were cloudy with small chance of precipitation. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No birds or insects were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active. There were no burrow-type holes along the primary fence. Animal dropping, probably skunk or raccoon, were observed inside the primary containment fence near MW-2 and the south fence. The vegetation is very dry and brown and has gone dormant from cold temperatures and lack of rain. |                              |                       |                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                       |                                                                                                 |                               |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                              | Cell No. <u>PHASE I CELL</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>October 13, 2003</u> |             |        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                             | ITEM NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                 |             |        |
|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                 |                                                                                                                                                                                                  | MONITOR                       | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground very dry. The grasses are dormant/brown from lack of rain.                                                                                                                                |                               |             |        |
|                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                               |             |        |
|                                             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stormwater Basin - excessive vegetation/sedimentation           | All soils were dry. The vegetation is well established but is dormant and dry.                                                                                                                   |                               |             |        |
|                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stormwater Basin - presence of sand (washout of drainage layer) | Ground very dry. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                             |                               |             |        |
|                                             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                               |             |        |
|                                             | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are very dry. No new sediment evident in the diversion ditch.                                                                                                                 |                               |             |        |
|                                             | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                               |             |        |
|                                             | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                               |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                               |             |        |
|                                             | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                               |             |        |
|                                             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                               |             |        |
|                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                               |             |        |
|                                             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                               |             |        |
|                                             | <p>Additional Comments:</p> <p>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established, but the lack of rain has dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were very dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting.</p> |                                                                 |                                                                                                                                                                                                  |                               |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                    | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                                                                                                     | Date: November 13, 2003 |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                   | ITEM NO.              | CONDITION             | OBSERVATION                                                                                                                                                  | ACTION NEEDED           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                       |                                                                                                                                                              | MONITOR                 | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                     | 1                     | Surface Cracking      | No surface cracking evident. The soils were wet from snow and frozen.                                                                                        |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 2                     | Animal Burrows        | No new evidence of holes in upper surface.                                                                                                                   |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 3                     | Low Area              | No low areas were observed.                                                                                                                                  |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 4                     | Ruts or Puddles       | Upper surface smooth. Small ruts from seed drill are smooth.                                                                                                 |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 5                     | Vegetation Condition  | All vegetation has become dormant/brown from cold temperatures.                                                                                              |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 6                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All vegetation dormant/brown. |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 7                     | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                               |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 8                     | Erosion               | Surface soils solid and secure. Upper surface wet from snow and frozen.                                                                                      |                         |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                        | 1                     | Slide, Slough, Scarp  | Side slopes soils wet from snow. No slides or sloughs.                                                                                                       |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 2                     | Animal Burrows        | None observed.                                                                                                                                               |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 3                     | Erosion               | No signs of erosion from side slopes at the site.                                                                                                            |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 4                     | Vegetation Condition  | All vegetation dormant/brown from cold temperatures.                                                                                                         |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 5                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                               |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 6                     | Exposed Liner         | None observed.                                                                                                                                               |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 7                     | Seepage               | None observed.                                                                                                                                               |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                         |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   | 9                     | Settlement/Subsidence | None observed.                                                                                                                                               |                         |             |        |
| Additional Comments: The temperature during the inspection was about 30°F with winds west at 3-4 mph. The skies were sunny and clear.                                                                                                                                                                                                                                                             |                       |                       |                                                                                                                                                              |                         |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure.                                                                                                                                                                                                                                                          |                       |                       |                                                                                                                                                              |                         |             |        |
| No birds were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active. There were no burrow-type holes along the primary fence. Animal dropping (deer) were observed on the outside the primary containment fence north fence. The vegetation is very dry and brown and has gone dormant from cold temperatures. |                       |                       |                                                                                                                                                              |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                       |                                                                                                                                                              |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                       |                                                                                                                                                              |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                       |                                                                                                                                                              |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                       |                                                                                                                                                              |                         |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. PHASE I CELL |                                                                 | Inspected by: Jon Nickel                                                                                                                                                                         | Date: November 13, 2003 |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.              | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | MONITOR                 | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                     | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground very dry. The grasses are dormant/brown from cold temperatures.                                                                                                                           |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                     | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                     | Stormwater Basin - excessive vegetation/sedimentation           | All soils were wet from snow. The vegetation is well established but dormant.                                                                                                                    |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                     | Stormwater Basin - presence of sand (washout of drainage layer) | Ground wet from snow. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                        |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                     | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                     | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are very dry. No new sediment evident in the diversion ditch.                                                                                                                 |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                     | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                     | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                         |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                     | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                     | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                     | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                     | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                         |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                     | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                         |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                                                                 |                                                                                                                                                                                                  |                         |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. but the cold temperatures have dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were wet from snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting. |                       |                                                                 |                                                                                                                                                                                                  |                         |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>December 10, 2003</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                  |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses are dormant/brown from snow and cold temperatures.                                                                                                                                   |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils were covered with fresh snow. The vegetation is well established but dormant.                                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground covered with snow. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                    |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are covered with snow. No new sediment evident in the diversion ditch.                                                                                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                                |             |        |
| <p>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established, but the cold temperatures and snow has dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were covered with snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting.</p> |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED | Cell No. <u>PHASE I CELL</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                              | Date: <u>December 10, 2003</u> |             |        |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                | ITEM NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CONDITION             | OBSERVATION                                                                                                                                                                  | ACTION NEEDED                  |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                                                                                                                                              | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Surface Cracking      | No surface cracking evident. The soils were covered with 2 inches of fresh snow.                                                                                             |                                |             |        |
|                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Animal Burrows        | No new evidence of holes in upper surface.                                                                                                                                   |                                |             |        |
|                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Low Area              | No low areas were observed.                                                                                                                                                  |                                |             |        |
|                | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ruts or Puddles       | Upper surface smooth. Fresh snow cover is smooth over surface.                                                                                                               |                                |             |        |
|                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Vegetation Condition  | All vegetation has become dormant/brown from cold temperatures and snow.                                                                                                     |                                |             |        |
|                | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All vegetation dormant and covered with snow. |                                |             |        |
|                | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                               |                                |             |        |
|                | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Erosion               | Surface soils solid and secure. Upper surface snow covered.                                                                                                                  |                                |             |        |
| SIDE SLOPE     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Slide, Slough, Scarp  | Side slopes soils wet from snow. No slides or sloughs.                                                                                                                       |                                |             |        |
|                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Animal Burrows        | None observed.                                                                                                                                                               |                                |             |        |
|                | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                            |                                |             |        |
|                | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Vegetation Condition  | All vegetation dormant/brown from cold temperatures.                                                                                                                         |                                |             |        |
|                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                               |                                |             |        |
|                | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Exposed Liner         | None observed.                                                                                                                                                               |                                |             |        |
|                | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Seepage               | None observed.                                                                                                                                                               |                                |             |        |
|                | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                         |                                |             |        |
|                | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Settlement/Subsidence | None observed.                                                                                                                                                               |                                |             |        |
|                | Additional Comments: The temperature during the inspection was about 24°F with winds west at 6 mph. The skies were cloudy with light snow and visibility less than one-quarter of a mile. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No birds were observed foraging in the grasses on and around the CAMU area. The small mice-type burrows that were observed in May 2003 were not active and/or covered with snow. There were no burrow-type holes along the primary fence. Animal dropping (deer) were observed on the outside the primary containment fence (all sides). The vegetation is covered with fresh snow and is dormant from cold temperatures. |                       |                                                                                                                                                                              |                                |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                                                                                                                                              |                                |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                                                                                                                                              |                                |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                                                                                                                                              |                                |             |        |
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |                                                                                                                                                                              |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                      | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                                 | Date: January 9, 2004 |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|------------------------------------------------------------------------------------------|-----------------------|-------------|--------|
|                                                                                                                                                                     | ITEM NO.              | CONDITION             | OBSERVATION                                                                              | ACTION NEEDED         |             |        |
|                                                                                                                                                                     |                       |                       |                                                                                          | MONITOR               | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                       | 1                     | Surface Cracking      | No surface cracking was observed. The soils were covered with 5-6 inches of wet snow.    |                       |             |        |
|                                                                                                                                                                     | 2                     | Animal Burrows        | No new evidence of holes in upper surface.                                               |                       |             |        |
|                                                                                                                                                                     | 3                     | Low Area              | No low areas were observed.                                                              |                       |             |        |
|                                                                                                                                                                     | 4                     | Ruts or Puddles       | Upper surface smooth. Wet snow covers the entire surface.                                |                       |             |        |
|                                                                                                                                                                     | 5                     | Vegetation Condition  | All vegetation has become dormant. Only the tops of grasses observed through snow.       |                       |             |        |
|                                                                                                                                                                     | 6                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted      |                       |             |        |
|                                                                                                                                                                     |                       |                       | in August 1, 2002 letter from Jamie Poell. All vegetation dormant and covered with snow. |                       |             |        |
|                                                                                                                                                                     | 7                     | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                           |                       |             |        |
| SIDE SLOPE                                                                                                                                                          | 8                     | Erosion               | Surface soils solid and secure. All surfaces covered with 5-6 inches of snow.            |                       |             |        |
|                                                                                                                                                                     | 1                     | Slide, Slough, Scarp  | Side slopes soils wet from snow. No slides or sloughs.                                   |                       |             |        |
|                                                                                                                                                                     | 2                     | Animal Burrows        | None observed.                                                                           |                       |             |        |
|                                                                                                                                                                     | 3                     | Erosion               | No signs of erosion from side slopes at the site.                                        |                       |             |        |
|                                                                                                                                                                     | 4                     | Vegetation Condition  | All vegetation dormant.                                                                  |                       |             |        |
|                                                                                                                                                                     | 5                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted      |                       |             |        |
|                                                                                                                                                                     |                       |                       | in August 1, 2002 letter from Jamie Poell.                                               |                       |             |        |
|                                                                                                                                                                     | 6                     | Exposed Liner         | None observed.                                                                           |                       |             |        |
|                                                                                                                                                                     | 7                     | Seepage               | None observed.                                                                           |                       |             |        |
|                                                                                                                                                                     | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.     |                       |             |        |
| 9                                                                                                                                                                   | Settlement/Subsidence | None observed.        |                                                                                          |                       |             |        |
| Additional Comments: The temperature during the inspection was 33°F with calm winds. The skies were heavily overcast with unlimited surface visibility.             |                       |                       |                                                                                          |                       |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was |                       |                       |                                                                                          |                       |             |        |
| observed inside the primary containment area. No birds were observed foraging in the grasses on and around the CAMU area. No surface burrows were observed.         |                       |                       |                                                                                          |                       |             |        |
| There were no burrow-type holes along the primary fence. Animal tracks and dropping (deer) were observed on the outside the primary containment in all directions.  |                       |                       |                                                                                          |                       |             |        |
| The vegetation is covered with 5-6 inches of wet snow and is dormant from cold temperatures.                                                                        |                       |                       |                                                                                          |                       |             |        |
|                                                                                                                                                                     |                       |                       |                                                                                          |                       |             |        |
|                                                                                                                                                                     |                       |                       |                                                                                          |                       |             |        |
|                                                                                                                                                                     |                       |                       |                                                                                          |                       |             |        |
|                                                                                                                                                                     |                       |                       |                                                                                          |                       |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <b>PHASE I CELL</b> |                                                                 | Inspected by: <b>Jon Nickel</b>                                                                                                                                                                  | Date: <b>January 9, 2004</b> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                      | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses are dormant and covered with snow.                                                                                                                                                   |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils were covered with wet snow. The vegetation is well established but dormant.                                                                                                            |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground covered with snow. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                    |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are covered with snow. No new sediment evident in the diversion ditch.                                                                                                        |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                              |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                              |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established, but the cold temperatures and snow has dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were covered with snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting. |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                              | Date: <u>February 17, 2004</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                                  | ACTION NEEDED                  |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                                                                                              | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Surface Cracking      | No surface cracking was observed. The soils were covered with 3-4 inches of crusted snow.                                                                                    |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | No new evidence of holes in upper surface.                                                                                                                                   |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Low Area              | No low areas were observed.                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Ruts or Puddles       | Upper surface smooth. Crusted snow covers the most of the surface.                                                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Vegetation Condition  | All vegetation has become dormant. Only the tops of grasses observed through snow.                                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. All vegetation dormant and covered with snow. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                               |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Erosion               | Surface soils solid and secure. All surfaces covered with 3-4 inches of crusted snow.                                                                                        |                                |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Slide, Slough, Scarp  | Side slopes soils wet from snow. No slides or sloughs.                                                                                                                       |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | None observed.                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                            |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Vegetation Condition  | All vegetation dormant.                                                                                                                                                      |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                               |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Exposed Liner         | None observed.                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Seepage               | None observed.                                                                                                                                                               |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                               |                                |             |        |
| Additional Comments: The temperature during the inspection was 39°F with winds east at 9 mph . The skies were heavily overcast with unlimited surface visibility. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. No birds were observed foraging in the grasses on and around the CAMU area. No surface burrows were observed. There were no burrow-type holes along the primary fence. Animal tracks and dropping (deer) were observed on the outside the primary containment in all directions. The vegetation is covered with 3-4 inches of crusted snow and is dormant from cold temperatures. The snow on the south and east sides of the upper CAMU surface had melted and/or was wind swept. The soils in these areas was frozen. |                              |                       |                                                                                                                                                                              |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                                                                                              |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                                                                                              |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                                                                                              |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>February 17, 2004</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                  |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses are dormant and covered with snow.                                                                                                                                                   |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils were covered with crusted snow. The vegetation is well established but dormant.                                                                                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground covered with crusted snow. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                            |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin. Basin was snow covered.                                                                                                                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are covered with snow. No new sediment evident in the diversion ditch.                                                                                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                                |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. but the cold temperatures and snow has dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were covered with crusted snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting. |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cell No. <b>PHASE I CELL</b> |                       | Inspected by: <b>Jon Nickel</b>                                                      | Date: <b>March 9, 2004</b> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                                                                                      | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                            | Surface Cracking      | No surface cracking was observed. The soils were moist with no snow.                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                            | Animal Burrows        | No new evidence of holes in upper surface.                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                            | Low Area              | No low areas were observed.                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                            | Ruts or Puddles       | Upper surface smooth. Snow has melted and soils are moist.                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                            | Vegetation Condition  | All vegetation has become dormant. Brown grasses are dormant.                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       | in August 1,2002 letter from Jamie Poell. All vegetation dormant.                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                       |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Erosion               | Surface soils solid and secure. All surfaces moist with no snow.                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                            | Slide, Slough, Scarp  | Side slopes soils moist. No slides or sloughs.                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                            | Animal Burrows        | None observed.                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                            | Vegetation Condition  | All vegetation dormant.                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       | in August 1,2002 letter from Jamie Poell.                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6                            | Exposed Liner         | None observed.                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7                            | Seepage               | None observed.                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                            |             |        |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Settlement/Subsidence        | None observed.        |                                                                                      |                            |             |        |
| <p>Additional Comments: The temperature during the inspection was 53°F with winds east at 3 mph . The skies were clear to partly cloudy with unlimited surface visibility.</p> <p>The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Hungarian partridges were observed foraging in the grasses on and around the CAMU area. No surface burrows were observed.</p> <p>There were no burrow-type holes along the primary fence. Animal tracks and dropping (deer) were observed on the outside the primary containment in all directions.</p> <p>The vegetation is dormant from cold temperatures. The increase in ambient temperatures have melted all the snow on all side of the CAMU. The soils were moist and some grasses were spouting.</p> <p>March 18, 2004 Supplemental - More than a dozen mice holes located on top of the CAMU and along the perimeter fencing were treated with poison.</p> |                              |                       |                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                       |                                                                                      |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cell No. PHASE I CELL |                                                                 | Inspected by: Jon Nickel                                                                                                                                                                         | Date: March 9, 2004 |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ITEM NO.              | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED       |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                                                                 |                                                                                                                                                                                                  | MONITOR             | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                     | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses are dormant and the soils were moist.                                                                                                                                                |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                     | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                     | Stormwater Basin - excessive vegetation/sedimentation           | All soils were moist and free of snow. The vegetation is well established but dormant.                                                                                                           |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                     | Stormwater Basin - presence of sand (washout of drainage layer) | Ground covered is free of snow. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                              |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5                     | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin. Basin was clear of snow.                                                                                                                                       |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6                     | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation grasses are dormant. No new sediment evident in the diversion ditch.                                                                                                                  |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7                     | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8                     | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                     |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                     | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                     | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                     | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4                     | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5                     | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                     |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established, but the cold temperatures have dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were moist and free of snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting. |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                          | Date: <u>April 5, 2004</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                              | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                                                                          | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                            | Surface Cracking      | No surface cracking was observed. The soils were beginning to dry.                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Animal Burrows        | Treated five holes in upper surface.                                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Low Area              | No low areas were observed.                                                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Ruts or Puddles       | Upper surface smooth. Snow has melted and soils are beginning to dry.                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Vegetation Condition  | Vegetation becoming active. Grasses are about 4-6 inches tall.                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted in August 1,2002 letter from Jamie Poell. Vegetation becoming active. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Erosion               | Surface soils solid and secure. All surfaces void of snow and beginning to dry.                                                                          |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                            | Slide, Slough, Scarp  | Side slopes soils moist. No slides or sloughs.                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Animal Burrows        | None observed.                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Vegetation Condition  | Vegetation becoming active.                                                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted in August 1,2002 letter from Jamie Poell.                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Exposed Liner         | None observed.                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Seepage               | None observed.                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9                            | Settlement/Subsidence | None observed.                                                                                                                                           |                            |             |        |
| Additional Comments: The temperature during the inspection was 58°F with winds east at 3 mph . The skies were clear to partly cloudy with unlimited surface visibility. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Four Hungarian partridges were observed foraging in the grasses on and around the CAMU area. Some surface burrows observed. There was one burrow-type holes along the primary fence. Animal tracks and dropping (deer) were observed on the outside the primary containment in all directions. The vegetation is becoming active with warm temperatures. The increase in ambient temperatures have melted all the snow on all side of the CAMU. The soils were moist and grasses were spouting to about 4-6 inches tall. |                              |                       |                                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                                                                          |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>April 5, 2004</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses were becoming active and the soils were dry.                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils dry and free of snow. The vegetation is becoming active.                                                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | Ground covered is free of snow. No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin. Basin was clear of snow.                                                                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation becoming active. No new sediment evident in the diversion ditch.                                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| <p>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established, but the cold temperatures have dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area were moist and free of snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting.</p> |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                             | Date: <u>May 6, 2004</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|---------------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                 | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       |                                                                                             | MONITOR                  | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Surface Cracking      | No surface cracking was observed. The soils were completely dry from lack of precipitation. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                            | Animal Burrows        | Treated three dormant holes in upper surface with rodenticide.                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                            | Low Area              | No low areas were observed.                                                                 |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                            | Ruts or Puddles       | Upper surface smooth. Soils are very dry.                                                   |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                            | Vegetation Condition  | Vegetation becoming active. Grasses are about 8-10 inches tall with good wheat grass tufts. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted         |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation very active.                          |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8                            | Erosion               | Surface soils solid and secure. All surfaces very dry.                                      |                          |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                                |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                            | Animal Burrows        | None observed.                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                            | Vegetation Condition  | Vegetation becoming active. Good bunches of wheat grass observed.                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted         |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       | in August 1, 2002 letter from Jamie Poell.                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                            | Exposed Liner         | None observed.                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7                            | Seepage               | None observed.                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 9                            | Settlement/Subsidence | None observed.                                                                              |                          |             |        |
| Additional Comments: The temperature during the inspection was 67°F with winds west at 5 mph. The skies were clear to partly cloudy with unlimited surface visibility. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Sparrows and song birds were observed foraging in the grasses on and around the CAMU area. Three dormant animal burrows were treated with rodenticide. A few animal tracks and dropping (deer) were observed on the outside the primary containment in all directions. The vegetation is very active with the warm temperatures and abundant sunshine. The soils are particularly dry for lack of precipitations and dry winds. |                              |                       |                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       |                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       |                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       |                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                       |                                                                                             |                          |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>May 6, 2004</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                  | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses were very active and the soils were dry.                                                                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils dry. The vegetation is very active with good bunches of wheat grass.                                                                                                                   |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation very active. No new sediment evident in the diversion ditch.                                                                                                                          |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                          |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                          |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                                  |                          |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. and warm temperatures and dry winds have dried plants. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields in preparation for planting. |                              |                                                                 |                                                                                                                                                                                                  |                          |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                       | Date: <u>June 9, 2004</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|---------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ITEM NO.                     | CONDITION             | OBSERVATION                                                                           | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                       | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                            | Surface Cracking      | No surface cracking was observed. The soils were very moist from recent rains.        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | No new animal burrows observed.                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                            | Low Area              | No low areas were observed.                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                            | Ruts or Puddles       | Upper surface smooth. Soils are very moist from recent rains.                         |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                            | Vegetation Condition  | Vegetation active. Grasses are about 8-10 inches tall with 18 inch wheat grass tufts. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation very active.                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                        |                           |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8                            | Erosion               | Surface soils solid and secure. All surfaces very moist.                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                            | Slide, Slough, Scarp  | Side slopes soils moist. No slides or sloughs.                                        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | None observed.                                                                        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                            | Vegetation Condition  | Vegetation becoming active. Good bunches of wheat grass observed.                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell.                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                            | Exposed Liner         | None observed.                                                                        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                            | Seepage               | None observed.                                                                        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 9                            | Settlement/Subsidence | None observed.                                                                        |                           |             |        |
| Additional Comments: The temperature during the inspection was 57°F with winds northwest at 9 mph . The skies were heavily overcast with a chance of rain but visibility unlimited. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Sparrows, song birds, morning doves, and black birds were observed foraging in the grasses on and around the CAMU area. The vegetation was very well established with yellow milk flowers blooming. Grasshoppers, bees, wasps, and butterflies were observed throughout the area. The vegetation is very active with the warming temperatures and abundant sunshine. The soils are wet from the recent rains. |                              |                       |                                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                       |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>June 9, 2004</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses were very active and the soils were wet.                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils wet. The vegetation is very active with good bunches of wheat grass.                                                                                                                   |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation very active. No new sediment evident in the diversion ditch.                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                           |             |        |
| <b>Additional Comments:</b><br>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. and warm temperatures and abundant seasonal rain storms. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are wet. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                        | Date: <u>July 9, 2004</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|----------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                    | ITEM NO.                     | CONDITION             | OBSERVATION                                                                            | ACTION NEEDED             |             |        |
|                                                                                                                                                                                    |                              |                       |                                                                                        | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                      | 1                            | Surface Cracking      | No surface cracking was observed. The soils were dry from warm temperatures.           |                           |             |        |
|                                                                                                                                                                                    | 2                            | Animal Burrows        | No new animal burrows observed.                                                        |                           |             |        |
|                                                                                                                                                                                    | 3                            | Low Area              | No low areas were observed.                                                            |                           |             |        |
|                                                                                                                                                                                    | 4                            | Ruts or Puddles       | Upper surface smooth. Soils are dry from warm temperatures.                            |                           |             |        |
|                                                                                                                                                                                    | 5                            | Vegetation Condition  | Vegetation active. Grasses are about 12-14 inches tall with 24 inch wheat grass tufts. |                           |             |        |
|                                                                                                                                                                                    | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted    |                           |             |        |
|                                                                                                                                                                                    |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation very active and abundant.        |                           |             |        |
|                                                                                                                                                                                    | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                         |                           |             |        |
|                                                                                                                                                                                    | 8                            | Erosion               | Surface soils solid and secure. All surfaces are dry.                                  |                           |             |        |
| SIDE SLOPE                                                                                                                                                                         | 1                            | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                           |                           |             |        |
|                                                                                                                                                                                    | 2                            | Animal Burrows        | None observed.                                                                         |                           |             |        |
|                                                                                                                                                                                    | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                      |                           |             |        |
|                                                                                                                                                                                    | 4                            | Vegetation Condition  | Vegetation are active. Good bunches of wheat grass, sunflowers, and grasses observed.  |                           |             |        |
|                                                                                                                                                                                    | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted    |                           |             |        |
|                                                                                                                                                                                    |                              |                       | in August 1, 2002 letter from Jamie Poell.                                             |                           |             |        |
|                                                                                                                                                                                    | 6                            | Exposed Liner         | None observed.                                                                         |                           |             |        |
|                                                                                                                                                                                    | 7                            | Seepage               | None observed.                                                                         |                           |             |        |
|                                                                                                                                                                                    | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.   |                           |             |        |
|                                                                                                                                                                                    | 9                            | Settlement/Subsidence | None observed.                                                                         |                           |             |        |
| Additional Comments: The temperature during the inspection was 73°F with winds northeast at 8 mph. The skies were clear with zero percent chance of rain and unlimited visibility. |                              |                       |                                                                                        |                           |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was                |                              |                       |                                                                                        |                           |             |        |
| observed inside the primary containment area. Sparrows, and some other song birds were observed foraging in the grasses on and around the CAMU area.                               |                              |                       |                                                                                        |                           |             |        |
| The vegetation was very well established with wheat grass, clover, sunflowers were thriving. Grasshoppers, bees, wasps, and yellow butterflies were observed throughout the area.  |                              |                       |                                                                                        |                           |             |        |
| The vegetation is very active with the warming temperatures and abundant sunshine. The soils are dry from warm temperatures and little precipitation.                              |                              |                       |                                                                                        |                           |             |        |
|                                                                                                                                                                                    |                              |                       |                                                                                        |                           |             |        |
|                                                                                                                                                                                    |                              |                       |                                                                                        |                           |             |        |
|                                                                                                                                                                                    |                              |                       |                                                                                        |                           |             |        |
|                                                                                                                                                                                    |                              |                       |                                                                                        |                           |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>July 9, 2004</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses were very active and the soils were dry.                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils dry. The vegetation is very active with good bunches of wheat grass.                                                                                                                   |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation very active. No new sediment evident in the diversion ditch.                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                           |             |        |
| <b>Additional Comments:</b><br>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. and warm temperatures and seasonal rain storms. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                          | Date: <u>August 13, 2004</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------|------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ITEM NO.                     | CONDITION             | OBSERVATION                                                                              | ACTION NEEDED                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                          | MONITOR                      | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Surface Cracking      | No surface cracking was observed. The soils were very dry from hot temperatures.         |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Animal Burrows        | No new animal burrows observed.                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Low Area              | No low areas were observed.                                                              |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Ruts or Puddles       | Upper surface smooth. Soils are very dry from hot summer temperatures.                   |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Vegetation Condition  | Vegetation dormant from hot temperatures with 24 inch wheat grass tufts.                 |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted       |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation dormant from hot temperatures.      |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                           |                              |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Erosion               | Surface soils solid and secure. All surfaces are very dry.                               |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Slide, Slough, Scarp  | Side slopes soils very dry. No slides or sloughs.                                        |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Animal Burrows        | None observed.                                                                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                        |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Vegetation Condition  | Vegetation dormant from hot temperatures. Wheat grass, sunflowers, and grasses observed. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted       |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       | in August 1,2002 letter from Jamie Poell.                                                |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                            | Exposed Liner         | None observed.                                                                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                            | Seepage               | None observed.                                                                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.     |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9                            | Settlement/Subsidence | None observed.                                                                           |                              |             |        |
| Additional Comments: The temperature during the inspection was 65°F with calm winds. The skies were clear with zero percent chance of rain and unlimited visibility. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Sparrows, and some other song birds were observed foraging in the grasses on and around the CAMU area. The vegetation was very well established with wheat grass, clover, sunflowers were thriving. Abundant grasshoppers, yellow butterflies, and small insects were observed throughout the area. The vegetation is somewhat dormant with the very hot summer temperatures and lack of rain. The soils are very dry from warm temperatures and little precipitation. |                              |                       |                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                          |                              |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>August 13, 2004</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                      | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses and soils were very dry.                                                                                                                                                             |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils dry. The vegetation is dormant with dry bunches of wheat grass.                                                                                                                        |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on July 22, 2003.                                                                                                                              |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant from hot summer temperatures. No new sediment evident in the diversion ditch.                                                                                                 |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                              |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                              |             |        |
| Additional Comments:<br>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established and hot temperatures. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU |                              |                                                                 |                                                                                                                                                                                                  |                              |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                          | Date: <u>September 8, 2004</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION             | OBSERVATION                                                                              | ACTION NEEDED                  |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                          | MONITOR                        | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Surface Cracking      | No surface cracking was observed. The soils were dry but not dusty.                      |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | No new animal burrows observed.                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Low Area              | No low areas were observed.                                                              |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Ruts or Puddles       | Upper surface smooth. Soils are dry but not dusty.                                       |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Vegetation Condition  | Vegetation moved on September 1/2 with 6-8 inch wheat grass tufts.                       |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted      |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation drying with fall temperatures.     |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Erosion               | Surface soils solid and secure. All surfaces are dry but not dusty.                      |                                |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                             |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | None observed.                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                        |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Vegetation Condition  | Vegetation drying with fall temperatures. Wheat grass, sunflowers, and grasses observed. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted      |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       | in August 1, 2002 letter from Jamie Poell.                                               |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Exposed Liner         | None observed.                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Seepage               | None observed.                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.     |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            | 9                            | Settlement/Subsidence | None observed.                                                                           |                                |             |        |
| Additional Comments: The temperature during the inspection was 50°F with calm early fall winds. The skies were clear with zero percent chance of rain and unlimited visibility.                                                                                                                                                                                                                                            |                              |                       |                                                                                          |                                |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. No birds were observed foraging in the grasses on and around the CAMU area.                                                                                                                              |                              |                       |                                                                                          |                                |             |        |
| The vegetation was very well established with wheat grass, clover, sunflowers were thriving. Abundant grasshoppers, yellow butterflies, and small insects were observed throughout the area. The vegetation is drying with the late fall temperatures and cool days. The soils are dry from warm temperatures and little precipitation. The CAMU footprint and area around the CAMU were moved on September 1 and 2, 2004. |                              |                       |                                                                                          |                                |             |        |
| The vegetation inside the CAMU is now covering about 90%-95% of the ground.                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                          |                                |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>September 8, 2004</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                  |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                        | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses and soils were dry.                                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All soils dry. The vegetation is drying with dry bunches of wheat grass.                                                                                                                         |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant drying from early fall temperatures. No new sediment evident in the diversion ditch.                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                                |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                                |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                                |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                                                 |                              |                                                                 |                                                                                                                                                                                                  |                                |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                      | Cell No. <b>PHASE I CELL</b> |                       | Inspected by: <b>Jon Nickel</b>                                                      | Date: <b>October 20, 2004</b> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                     | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED                 |             |        |
|                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                      | MONITOR                       | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                       | 1                            | Surface Cracking      | No surface cracking was observed. The soils were wet on the surface and dry below.   |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | No new animal burrows observed.                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 3                            | Low Area              | No low areas were observed.                                                          |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 4                            | Ruts or Puddles       | Upper surface smooth. Surface soils are moist.                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2 with 6-8 inch wheat grass tufts.               |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                               |             |        |
|                                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation wet from recent snow.           |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 8                            | Erosion               | Surface soils solid and secure. Surface soils are moist.                             |                               |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                          | 1                            | Slide, Slough, Scarp  | Side slopes soils moist. No slides or sloughs.                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | None observed.                                                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 4                            | Vegetation Condition  | Vegetation drying with fall temperatures. Vegetation mowed on September 1 and 2.     |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                               |             |        |
|                                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell.                                            |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 6                            | Exposed Liner         | None observed.                                                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 7                            | Seepage               | None observed.                                                                       |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                               |             |        |
|                                                                                                                                                                                                                                                                                                     | 9                            | Settlement/Subsidence | None observed.                                                                       |                               |             |        |
| Additional Comments: The temperature during the inspection was 32°F with calm winds. The skies were cloudy with 60% percent chance of rain and limited visibility.                                                                                                                                  |                              |                       |                                                                                      |                               |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Two flocks of geese were observed foraging in the grasses north of the CAMU area. |                              |                       |                                                                                      |                               |             |        |
| The vegetation was very well established with wheat grass, clover, sunflowers were thriving. Cool autumn temperatures have eliminated much of the small insects in the area.                                                                                                                        |                              |                       |                                                                                      |                               |             |        |
| The vegetation is drying with the late fall temperatures and cool days. The surface soils are moist from recent snow and rains but dry below the surface.                                                                                                                                           |                              |                       |                                                                                      |                               |             |        |
| The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004.                                                                                                                                                                                                                  |                              |                       |                                                                                      |                               |             |        |
| The vegetation inside the CAMU is now covering about 90%-95% of the ground.                                                                                                                                                                                                                         |                              |                       |                                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                      |                               |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>October 20, 2004</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED                 |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                       | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses and soils were moist from recent precipitation.                                                                                                                                      |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils are moist. The vegetation is moist from recent rains.                                                                                                                          |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant from early fall temperatures. No new sediment evident in the diversion ditch.                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                               |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                                                                 |                                                                                                                                                                                                  |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                                                                 |                                                                                                                                                                                                  |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                               |             |        |
| <b>Additional Comments:</b><br>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are wet from recent precipitation. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU |                              |                                                                 |                                                                                                                                                                                                  |                               |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                               | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                  | Date: <u>Nov. 15, 2004</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                              | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                | 1                            | Surface Cracking      | No surface cracking was observed. The soils were dry on the surface and dry below.                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 3                            | Low Area              | No low areas were observed.                                                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 4                            | Ruts or Puddles       | Upper surface smooth. Surface soils are dry.                                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2 with 6-8 inch wheat grass tufts.                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation dry from lack of rain. |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 8                            | Erosion               | Surface soils solid and secure. Surface soils are dry.                                                                                                           |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                   | 1                            | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 2                            | Animal Burrows        | None observed.                                                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 4                            | Vegetation Condition  | Vegetation dormant with fall temperatures. Vegetation moved on September 1 and 2.                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 6                            | Exposed Liner         | None observed.                                                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 7                            | Seepage               | None observed.                                                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                              | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                   |                            |             |        |
| Additional Comments: The temperature during the inspection was 46°F with winds north at 5mph. The skies were partly cloudy with unlimited visibility.                                                                                                                                                        |                              |                       |                                                                                                                                                                  |                            |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. A dozen or so sparrows/finches were observed foraging in the grasses inside the CAMU area. |                              |                       |                                                                                                                                                                  |                            |             |        |
| The vegetation was very well established with good bunches of wheat grass. Cool autumn temperatures have eliminated all of the insects in the area.                                                                                                                                                          |                              |                       |                                                                                                                                                                  |                            |             |        |
| The vegetation is drying with the late fall temperatures and cool days. The surface soils are dry from the lack of rains.                                                                                                                                                                                    |                              |                       |                                                                                                                                                                  |                            |             |        |
| The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004.                                                                                                                                                                                                                           |                              |                       |                                                                                                                                                                  |                            |             |        |
| The vegetation inside the CAMU is now covering about 90%-95% of the ground.                                                                                                                                                                                                                                  |                              |                       |                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                              |                              |                       |                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: Nov. 15, 2004 |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED       |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR             | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses and soils were dry from lack of rain.                                                                                                                                                |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils are dry. The vegetation is moist from dry.                                                                                                                                     |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant from early fall temperatures. No new sediment evident in the diversion ditch.                                                                                                 |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                     |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                     |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                     |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry from lack of precipitation. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                      |                              |                                                                 |                                                                                                                                                                                                  |                     |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                      | Cell No. <b>PHASE I CELL</b> |                       | Inspected by: <b>Jon Nickel</b>                                                      | Date: Dec. 14, 2004 |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|---------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                     | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED       |             |        |
|                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                      | MONITOR             | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                       | 1                            | Surface Cracking      | No surface cracking was observed. The soils were dry and beginning to freeze.        |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | No new animal burrows observed.                                                      |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 3                            | Low Area              | No low areas were observed.                                                          |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 4                            | Ruts or Puddles       | Upper surface smooth. Surface soils are dry.                                         |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2 and now dormant.                               |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                     |             |        |
|                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation dry from lack of rain.          |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                       |                     |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                          | 8                            | Erosion               | Surface soils solid and secure. Surface soils are dry.                               |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 1                            | Slide, Slough, Scarp  | Side slopes soils dry. No slides or sloughs.                                         |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | None observed.                                                                       |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 4                            | Vegetation Condition  | Vegetation dormant from winter temperatures. Vegetation mowed on September 1 and 2.  |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                     |             |        |
|                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell.                                            |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 6                            | Exposed Liner         | None observed.                                                                       |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 7                            | Seepage               | None observed.                                                                       |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                     |             |        |
|                                                                                                                                                                                                                                                                                     | 9                            | Settlement/Subsidence | None observed.                                                                       |                     |             |        |
| Additional Comments: The temperature during the inspection was 33°F with calm wind. The skies were heavily overcast with snow squalls.                                                                                                                                              |                              |                       |                                                                                      |                     |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was observed inside the primary containment area. Deer dropping were observed outside the primary containment area. |                              |                       |                                                                                      |                     |             |        |
| The vegetation was very well established with good bunches of wheat grass. Cold winter temperatures have eliminated all of the insects in the area.                                                                                                                                 |                              |                       |                                                                                      |                     |             |        |
| The vegetation is drying with the winter temperatures and cold nights. The surface soils are dry from the lack of rains.                                                                                                                                                            |                              |                       |                                                                                      |                     |             |        |
| The CAMU footprint and area around the CAMU were mowed on September 1 and 2. 2004.                                                                                                                                                                                                  |                              |                       |                                                                                      |                     |             |        |
| The vegetation inside the CAMU is now covering about 90%-95% of the ground.                                                                                                                                                                                                         |                              |                       |                                                                                      |                     |             |        |
|                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                      |                     |             |        |
|                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                      |                     |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. PHASE I CELL |                                                                 | Inspected by: Jon Nickel                                                                                                                                                                         | Date: Dec. 14, 2004 |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.              | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED       |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                 |                                                                                                                                                                                                  | MONITOR             | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                     | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses and soils were dry from lack of rain.                                                                                                                                                |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                     | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                     | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils are dry. The vegetation is dry and dormant.                                                                                                                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                     | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                     | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                     | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant from winter temperatures. No new sediment evident in the diversion ditch.                                                                                                     |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                     | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                     | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                     |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                     | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                     | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                     | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                     | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                     | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                     |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry from lack of precipitation. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                      |                       |                                                                 |                                                                                                                                                                                                  |                     |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                      | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: Jan 17, 2005 |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                     | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED      |             |        |
|                                                                                                                                                                     |                              |                       |                                                                                      | MONITOR            | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                       | 1                            | Surface Cracking      | No surface cracking was observed. The soils is covered with 6-8 inches snow.         |                    |             |        |
|                                                                                                                                                                     | 2                            | Animal Burrows        | No new animal burrows observed.                                                      |                    |             |        |
|                                                                                                                                                                     | 3                            | Low Area              | No low areas were observed.                                                          |                    |             |        |
|                                                                                                                                                                     | 4                            | Ruts or Puddles       | Upper surface smooth with 6-8 inches of snow.                                        |                    |             |        |
|                                                                                                                                                                     | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2 and now dormant under snow.                    |                    |             |        |
|                                                                                                                                                                     | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                    |             |        |
|                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation covered with 6-8 inches snow.   |                    |             |        |
|                                                                                                                                                                     | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                       |                    |             |        |
|                                                                                                                                                                     | 8                            | Erosion               | Surface soils solid and secure. Surface soils covered with 6-8 inches snow.          |                    |             |        |
| SIDE SLOPE                                                                                                                                                          | 1                            | Slide, Slough, Scarp  | Side slopes soils covered with snow. No slides or sloughs.                           |                    |             |        |
|                                                                                                                                                                     | 2                            | Animal Burrows        | None observed.                                                                       |                    |             |        |
|                                                                                                                                                                     | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                    |             |        |
|                                                                                                                                                                     | 4                            | Vegetation Condition  | Vegetation dormant from winter temperatures. Vegetation mowed on September 1 and 2.  |                    |             |        |
|                                                                                                                                                                     | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                    |             |        |
|                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell.                                            |                    |             |        |
|                                                                                                                                                                     | 6                            | Exposed Liner         | None observed.                                                                       |                    |             |        |
|                                                                                                                                                                     | 7                            | Seepage               | None observed.                                                                       |                    |             |        |
|                                                                                                                                                                     | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                    |             |        |
|                                                                                                                                                                     | 9                            | Settlement/Subsidence | None observed.                                                                       |                    |             |        |
| Additional Comments: The temperature during the inspection was 21°F with calm wind. The skies were heavily overcast with snow/rain possible.                        |                              |                       |                                                                                      |                    |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals was |                              |                       |                                                                                      |                    |             |        |
| observed inside the primary containment area. The snow was smooth throughout the entire area with no signs of artificial entry or animal presence.                  |                              |                       |                                                                                      |                    |             |        |
| The vegetation was very well established with good bunches of wheat grass. Cold winter temperatures have eliminated all of the insects in the area.                 |                              |                       |                                                                                      |                    |             |        |
| The vegetation is drying with the winter temperatures and cold nights. The surface soils are covered with 6-8 inches of snow with more snow forecasted.             |                              |                       |                                                                                      |                    |             |        |
| The CAMU footprint and area around the CAMU were mowed on September 1 and 2. 2004.                                                                                  |                              |                       |                                                                                      |                    |             |        |
| The vegetation inside the CAMU is now covering about 90%-95% of the ground.                                                                                         |                              |                       |                                                                                      |                    |             |        |
|                                                                                                                                                                     |                              |                       |                                                                                      |                    |             |        |
|                                                                                                                                                                     |                              |                       |                                                                                      |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: Jan 17, 2005 |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR            | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses and soils were covered with 6-8 inches snow.                                                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils covered with snow. The vegetation covered with snow.                                                                                                                           |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant from winter temperatures. No new sediment evident in the diversion ditch.                                                                                                     |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                    |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.                           | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                    |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                    |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are covered with snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                                   |                              |                                                                 |                                                                                                                                                                                                  |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                               | Date: Feb 15, 2005 |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|----------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ITEM NO.              | CONDITION             | OBSERVATION                                                                            | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                       |                                                                                        | MONITOR            | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                     | Surface Cracking      | No surface cracking was observed. The surface soils void of snow.                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                     | Animal Burrows        | No new animal burrows observed.                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                     | Low Area              | No low areas were observed.                                                            |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                     | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                     |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                     | Vegetation Condition  | Vegetation moved on September 1 and 2 and dormant with winter temperatures.            |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted     |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                       | in August 1,2002 letter from Jamie Poell. Vegetation dormant with winter temperatures. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                     | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                         |                    |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                     | Erosion               | Surface soils solid and secure. Surface soils frozen from winter temperatures.         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                     | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                     | Animal Burrows        | None observed.                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                     | Erosion               | No signs of erosion from side slopes at the site.                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                     | Vegetation Condition  | Vegetation dormant from winter temperatures. Vegetation mowed on September 1 and 2.    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted     |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                       | in August 1,2002 letter from Jamie Poell.                                              |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                     | Exposed Liner         | None observed.                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                     | Seepage               | None observed.                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9                     | Settlement/Subsidence | None observed.                                                                         |                    |             |        |
| Additional Comments: The temperature during the inspection was 32°F with 18 mph winds out of the southwest. The skies were heavily overcast but no sign of rain expected. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals observed inside the primary containment area. Snow was limited to few patches. No signs of artificial entry or animal presence in the primary containment area. The vegetation was very well established with good bunches of wheat grass. Winter temperatures have eliminated all of the insects in the area. The vegetation is drying with the winter temperatures and cold nights. The surface soils are mostly free of snow and the ground was frozen.. |                       |                       |                                                                                        |                    |             |        |
| The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                       |                                                                                        |                    |             |        |
| The vegetation inside the CAMU is now covering about 90%-95% of the ground.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                       |                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                       |                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                       |                                                                                        |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>Feb 15, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | The grasses dormant with winter temperatures.                                                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation dormant with winter temperatures.                                                                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant from winter temperatures. No new sediment evident in the diversion ditch.                                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                           |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are frozen with limited snow. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                            |                              |                                                                 |                                                                                                                                                                                                  |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                           | Date: <u>March 16, 2005</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                               | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                                                                           | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were wet with sporadic snow.                                                                          |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                            | Low Area              | No low areas were observed.                                                                                                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2. Green sprouts at base of grass tufts.                                                                              |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation mostly dormant. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8                            | Erosion               | Surface soils solid and secure. Surface soils wet from recent precipitation.                                                                              |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                            | Animal Burrows        | None observed.                                                                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                            | Vegetation Condition  | Green sprouts at base of grass tufts. Vegetation mowed on September 1 and 2.                                                                              |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                            | Exposed Liner         | None observed.                                                                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                            | Seepage               | None observed.                                                                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9                            | Settlement/Subsidence | None observed.                                                                                                                                            |                             |             |        |
| Additional Comments: The temperature during the inspection was 50°F with 9 mph winds out of the west. The skies were heavily overcast with some chance of snow expected later in the day. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals observed inside the primary containment area. Snow was limited to few wet patches on the upper and side slopes. No signs of artificial entry or animal presence in the primary containment area. The vegetation was very well established with green sprouts noted at the base of grass tufts. The vegetation is becoming active with the warmer spring-type temperatures. The surface soils are covered with sporadic snow and the ground was moist. The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004. The vegetation inside the CAMU is now covering about 90%-95% of the ground. |                              |                       |                                                                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                                                                           |                             |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>March 16, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                     | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Green sprouts noted at base of grass tufts. Soil wet from snow melt.                                                                                                                             |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation becoming active with warmer temperatures.                                                                                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation being active from warmer temperatures. No new sediment evident in the diversion ditch.                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                             |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                             |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are wet from recent snow melt. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                           |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                           | Date: <u>April 8, 2005</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                               | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                                           | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were dry with no snow.                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Low Area              | No low areas were observed.                                                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Vegetation Condition  | Vegetation mowed on September 1 and 2. Green sprouts at base of grass tufts.                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation mostly dormant. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Erosion               | Surface soils solid and secure. Surface soils dry.                                                                                                        |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | None observed.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Vegetation Condition  | Green sprouts at base of grass tufts. Vegetation mowed on September 1 and 2.                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Exposed Liner         | None observed.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Seepage               | None observed.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9                            | Settlement/Subsidence | None observed.                                                                                                                                            |                            |             |        |
| <p>Additional Comments: The temperature during the inspection was 44°F with 20 mph (24 gusts) winds out of the west. The skies were heavily overcast with a 50% chance of rain or snow expected later in the day. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No evidence of animals observed inside the primary containment area. No snow was evident in the primary containment or outside the fenced area. No signs of artificial entry or animal presence in the primary containment area. The vegetation was very well established with green sprouts noted at the base of grass tufts. The vegetation is becoming active with the warmer spring-type temperatures. The surface soils are free of snow and the ground was dry. The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004. No signs of animal or insect activity. The vegetation inside the CAMU is now covering about 90%-95% of the ground.</p> |                              |                       |                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                                                                                           |                            |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>April 8, 2005</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Green sprouts noted at base of grass tufts. Soil dry.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation becoming active with warmer temperatures.                                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation being active from warmer temperatures. No new sediment evident in the diversion ditch.                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                            |             |        |
| <b>Additional Comments:</b><br>The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established.<br>The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are dry. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                             | Date: <u>May 9, 2005</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                                 | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                       |                                                                                                                                                                             | MONITOR                  | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were wet from light rain.                                                                                               |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3                            | Low Area              | No low areas were observed.                                                                                                                                                 |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                                          |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2. Grass tufts of 6-8 inches.                                                                                                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation active with moderate grass tufts. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8                            | Erosion               | Surface soils solid and secure. Surface soils damp from light rain.                                                                                                         |                          |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2                            | Animal Burrows        | None observed.                                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4                            | Vegetation Condition  | Grass tufts of 6-8 inches. Vegetation mowed on September 1 and 2.                                                                                                           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6                            | Exposed Liner         | None observed.                                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7                            | Seepage               | None observed.                                                                                                                                                              |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                              |                          |             |        |
| Additional Comments: The temperature during the inspection was 53°F with 3 mph winds out of the west. The skies were heavily overcast with a light to moderate rain falling. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. Black birds, song birds, and Hungarian partridges observed inside the primary and around containment area. No signs of artificial entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 6-8 inches throughout containment area. The vegetation is becoming active with the warmer spring-type temperatures and spring-time moisture.. The surface soils are moist from recent rains. The CAMU footprint and area around the CAMU were mowed on September 1 and 2. 2004. No signs of animal or insect activity. The vegetation inside the CAMU is now covering about 90%-95% of the ground. |                              |                       |                                                                                                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                       |                                                                                                                                                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                              |                       |                                                                                                                                                                             |                          |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cell No. PHASE I CELL |                       | Inspected by: Jon Nickel                                                                                                                                                  | Date: May 9, 2005 |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ITEM NO.              | CONDITION             | OBSERVATION                                                                                                                                                               | ACTION NEEDED     |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                                                                                                                                                                           | MONITOR           | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                     | Surface Cracking      | No surface cracking was observed. The surface soils were wet from light rain.                                                                                             |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                     | Animal Burrows        | No new animal burrows observed.                                                                                                                                           |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                     | Low Area              | No low areas were observed.                                                                                                                                               |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                     | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                                        |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                     | Vegetation Condition  | Vegetation moved on September 1 and 2. Grass tufts of 6-8 inches.                                                                                                         |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted in August 1,2002 letter from Jamie Poell. Vegetation active with moderate grass tufts. |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                     | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                            |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                     | Erosion               | Surface soils solid and secure. Surface soils damp from light rain.                                                                                                       |                   |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                     | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                                           |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                     | Animal Burrows        | None observed.                                                                                                                                                            |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                     | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                         |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                     | Vegetation Condition  | Grass tufts of 6-8 inches. Vegetation mowed on September 1 and 2.                                                                                                         |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                     | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted in August 1,2002 letter from Jamie Poell.                                              |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                     | Exposed Liner         | None observed.                                                                                                                                                            |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                     | Seepage               | None observed.                                                                                                                                                            |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                     | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                      |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9                     | Settlement/Subsidence | None observed.                                                                                                                                                            |                   |             |        |
| Additional Comments: The temperature during the inspection was 53°F with 3 mph winds out of the west. The skies were heavily overcast with a light to moderate rain falling. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. Black birds, song birds, and Hungarian partridges observed inside the primary containment area and outside fenced area. Geese foraging in the nearby farmer's fields. No signs of forces entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 6-8 inches throughout containment area. The vegetation is becoming active with the warmer spring-type temperatures and spring-time moisture. No insects observed. The surface soils are moist from recent rains. The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004. The vegetation inside the CAMU main footprint in now covering 90-95% of the ground. |                       |                       |                                                                                                                                                                           |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                                                                                                                                                                           |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                                                                                                                                                                           |                   |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                       |                                                                                                                                                                           |                   |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                             | Date: <u>June 9, 2005</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                                 | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                             | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were wet from recent precipitation.                                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                            | Low Area              | No low areas were observed.                                                                                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                            | Vegetation Condition  | Vegetation moved on September 1 and 2. Grass tufts of 12-14 inches.                                                                                                         |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation active with abundant grass tufts. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                            | Erosion               | Surface soils solid and secure. Surface soils damp from recent June rain.                                                                                                   |                           |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2                            | Animal Burrows        | None observed.                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4                            | Vegetation Condition  | Grass tufts of 12-14 inches. Vegetation mowed on September 1 and 2.                                                                                                         |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6                            | Exposed Liner         | None observed.                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 7                            | Seepage               | None observed.                                                                                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                              |                           |             |        |
| Additional Comments: The temperature during the inspection was 59°F with 15 mph winds out of the west. The skies were heavily overcast with a good chance of rain. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure after May 2005 RI/FS sampling. Few black birds, song birds, one Hungarian partridge, butterflies, and other insects were observed inside the primary containment area and outside fenced area. No signs of forced entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 12-18 inches throughout containment area. The vegetation is active with the warmer spring-type temperatures and recent heavy June moisture. The surface soils are moist from recent rains. The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004. The vegetation inside the CAMU main footprint is now covering 90-95% of the ground. |                              |                       |                                                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                              |                       |                                                                                                                                                                             |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. PHASE I CELL |                                                                 | Inspected by: Jon Nickel                                                                                                                                                                         | Date: June 9, 2005 |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.              | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                 |                                                                                                                                                                                                  | MONITOR            | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                     | Toe Ditches - Obstruction due to vegetation/sedimentation       | Grass tufts about 9-12 inches well established. Soil moist from June rains.                                                                                                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                     | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                     | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation very active with warmer temperatures.                                                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                     | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                     | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                     | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation active from warmer temperatures. No new sediment evident in the diversion ditch.                                                                                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                     | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                     | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                    |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                     | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                     | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                 |                                                                                                                                                                                                  |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                     | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                                                                 |                                                                                                                                                                                                  |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                     | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                     | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                    |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                                                                 |                                                                                                                                                                                                  |                    |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                       |                                                                 |                                                                                                                                                                                                  |                    |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are wet from June rains. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                                 |                       |                                                                 |                                                                                                                                                                                                  |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                        | Date: <u>July 12, 2005</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                            | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                                                                                                        | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were dry from hot temperatures.                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                            | Low Area              | No low areas were observed.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                            | Vegetation Condition  | Vegetation mowed on September 1 and 2. Grass tufts of 16-20 inches.                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation active with abundant growth. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                            | Erosion               | Surface soils solid and secure. Surface soils dry from hot temperatures.                                                                                               |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                            | Animal Burrows        | None observed.                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                            | Vegetation Condition  | Grass tufts of 18-24 inches. Vegetation mowed on September 1 and 2.                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                            | Exposed Liner         | None observed.                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7                            | Seepage               | None observed.                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                         |                            |             |        |
| Additional Comments: The temperature during the inspection was 89°F with 10 mph winds out of the west. The skies were clear with no chance of rain or thunderstorms. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. A few song birds were observed in the tall grasses. Numerous butterflies, bees, grasshoppers, and other flying insects were observed inside the primary containment area and outside fenced area. No signs of forced entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 16-24 inches throughout containment area. The vegetation is active with the hot summer-type temperatures. The surface soils are dry from hot temperatures: Wheat grass, alfalfa, and fox tail prevalent. The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004. The vegetation inside the CAMU main footprint is now covering 90-95% of the ground. |                              |                       |                                                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                                                                                                        |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                       |                                                                                                                                                                        |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>July 12, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Grass tufts about 16-20 inches well established. Soil dry from hot temperatures.                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation very active with warmer temperatures.                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation active from warmer temperatures. No new sediment evident in the diversion ditch.                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                            |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment area are wet from June rains. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                                 |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                        | Date: <u>August 4, 2005</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                            | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                                                                                                        | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were dry from hot temperatures.                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Low Area              | No low areas were observed.                                                                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                                                                                                     |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Vegetation Condition  | Vegetation mowed on September 1 and 2. Grass tufts of 16-20 inches and very dry.                                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell. Vegetation active with abundant growth. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                            | Erosion               | Surface soils solid and secure. Surface soils dry from hot temperatures.                                                                                               |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2                            | Animal Burrows        | None observed.                                                                                                                                                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4                            | Vegetation Condition  | Grass tufts of 18-24 inches. Vegetation mowed on September 1 and 2.                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted in August 1, 2002 letter from Jamie Poell.                                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                            | Exposed Liner         | None observed.                                                                                                                                                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 7                            | Seepage               | None observed.                                                                                                                                                         |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                   |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                         |                             |             |        |
| <p>Additional Comments: The temperature during the inspection was 60°F with calm winds. The skies were clear with no chance of rain or thunderstorms. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. A few song birds and partridges were observed in the tall grasses. Numerous butterflies, bees, grasshoppers, and other flying insects were observed inside the primary containment area and outside fenced area. No signs of forced entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 16-24 inches throughout containment area. The vegetation is active with the hot summer-type temperatures. The surface soils are dry from hot temperatures. Wheat grass, alfalfa, and fox tail prevalent. The CAMU footprint and area around the CAMU were mowed on September 1 and 2, 2004. The vegetation inside the CAMU main footprint is now covering 90-95% of the ground.</p> |                              |                       |                                                                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                                                                                                        |                             |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: August 4, 2005 |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED        |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                  | MONITOR              | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Grass tufts about 16-20 inches well established and dry. Soil dry from hot temperatures.                                                                                                         |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation very dry with hot temperatures.                                                                                                                         |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on September 1 and 2, 2004.                                                                                                                    |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dry hot temperatures. No new sediment evident in the diversion ditch.                                                                                                                 |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                      |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                      |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are very dry from hot July and August temperatures. There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU |                              |                                                                 |                                                                                                                                                                                                  |                      |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                  | Date: <u>Sept. 14, 2005</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                      | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                  | MONITOR                     | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were dry.                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | No new animal burrows observed.                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Low Area              | No low areas were observed.                                                                      |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Grass tufts about 6 inches and very dry.               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted              |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation becoming dormant with cooler temperatures. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                   |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Erosion               | Surface soils solid and secure. Surface soils dry.                                               |                             |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | None observed.                                                                                   |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted              |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       | in August 1, 2002 letter from Jamie Poell.                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 6                            | Exposed Liner         | None observed.                                                                                   |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 7                            | Seepage               | None observed.                                                                                   |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.             |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9                            | Settlement/Subsidence | None observed.                                                                                   |                             |             |        |
| <p>Additional Comments: The temperature during the inspection was 55°F with west winds at 9 mph. The skies were mostly cloudy with slight chance of rain or thunderstorms. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. Geese were observed foraging in the wheat fields south of the CAMU. Few butterflies, grasshoppers, and other flying insects were observed inside the primary containment area and outside fenced area. No signs of forced entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 6 inches after recent mowing throughout the containment area. The vegetation is becoming dormant with fall-type temperatures. The surface soils are dry from hot temperatures. Wheat grass, alfalfa, and fox tail prevalent. The CAMU footprint and area around the CAMU were mowed on August 10, 2005. The vegetation inside the CAMU main footprint is now covering 90-95% of the ground. Linda Jacobson (EPA Region VIII) and Bob Miller toured the CAMU on September 13, 1005.</p> |                              |                       |                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                  |                             |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>Sept. 14, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED               |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                     | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Grass tufts about 6 inches and well established. Soil dry.                                                                                                                                       |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation very dry.                                                                                                                                               |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                                                                            |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dry. No new sediment evident in the diversion ditch.                                                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                             |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                             |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
| The leachate collection and leak detection systems was pumped on June 11 and 12, 2003. Approximately 4,250 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 2 minutes of pumping. After about 30 minutes of pumping, only 40 gallons of water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are very dry.                                                                                                                                                                                                                                                                                                                                                |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Planted grasses are well established outside the CAMU                                                                                                                                                                                                                                                                     |                              |                                                                 |                                                                                                                                                                                                  |                             |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                 | Date: <u>Oct. 12, 2005</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|-------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                     | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                 | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were moist from rains.                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Animal Burrows        | No new animal burrows observed.                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Low Area              | No low areas were observed.                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts and puddles.                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Grass tufts about 6 inches and dormant.               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation becoming dormant with cooler temperatures. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Erosion               | Surface soils solid and secure. Surface soils moist.                                            |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2                            | Animal Burrows        | None observed.                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       | in August 1,2002 letter from Jamie Poell.                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6                            | Exposed Liner         | None observed.                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7                            | Seepage               | None observed.                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9                            | Settlement/Subsidence | None observed.                                                                                  |                            |             |        |
| Additional Comments: The temperature during the inspection was 40°F with northwest winds at 3 mph. The skies were clear with little chance of rain or thunderstorms. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. Geese were observed flying from the wheat fields south of the CAMU. No ground or flying insects were observed inside the primary containment area and outside fenced area. No signs of forced entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 6 inches after recent mowing throughout the containment area. The vegetation is becoming dormant with fall-type temperatures. The surface soils are moist from little rain. Wheat grass, alfalfa, and fox tail prevalent. The CAMU footprint and area around the CAMU were mowed on August 10, 2005. The vegetation inside the CAMU main footprint is now covering 90-95% of the ground. Linda Jacobson (EPA Region VIII) and Bob Miller toured the CAMU on September 13, 1005. |                              |                       |                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                              |                       |                                                                                                 |                            |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                  | Date: <u>Oct. 12, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Grass tufts about 6 inches and well established. Soil moist.                                                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation now dormant.                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                             |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Leachate Collection Sump-Depth (East pipe)                      | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Leak Detection Sump-Depth (West pipe)                           | Walter Crane advises to leave the secondary pump pipes inside the primary black PVC pipes until pumping is complete. With the secondary pipes in place, water level readings cannot be obtained. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Additional Comments:         |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| The leachate collection and leak detection systems was pumped on September 23, 26, and 27, 2005. Approximately 5,450 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 5 minutes of pumping. After about 30 minutes of pumping, no water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are moist.                                                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. Garbage was recently dumped by the east entrance gate.                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                  | Date: <u>Nov. 11, 2005</u> |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were moist from morning dew.                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                            | Animal Burrows        | No new animal burrows observed.                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                            | Low Area              | No low areas were observed.                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts.                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Grass tufts about 6 inches and dormant.                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation becoming dormant with cooler temperatures. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                   |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8                            | Erosion               | Surface soils solid and secure. Surface soils moist.                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2                            | Animal Burrows        | None observed.                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       | in August 1, 2002 letter from Jamie Poell.                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6                            | Exposed Liner         | None observed.                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7                            | Seepage               | None observed.                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9                            | Settlement/Subsidence | None observed.                                                                                   |                            |             |        |
| Additional Comments: The temperature during the inspection was 45°F with calm winds. The skies were partly cloudy with chance of afternoon rain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |                       |                                                                                                  |                            |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. No ground or flying insects were observed inside the primary containment area and outside fenced area. No signs of forced entry or large animal (deer) presence in the primary containment area. The vegetation was very well established with grass tufts about 6 inches after recent mowing throughout the containment area. The vegetation is becoming dormant with fall-type temperatures. The surface soils are moist from dew. Wheat grass, alfalfa, and fox tail prevalent. The CAMU footprint and area around the CAMU were mowed on August 10, 2005. The vegetation inside the CAMU main footprint is now covering 90-95% of the ground. Hydrometrics was observed sampling the CAMU groundwater wells as part of the long-term monitoring program. |                              |                       |                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                                                                                                                             | Date: <u>Nov. 11, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                                                                                                                                 | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                                                                                                             | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Grass tufts about 6 inches and well established. Soil moist.                                                                                                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                                                                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation now dormant.                                                                                                                                                                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                                                                                                                                                                       |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                                                                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation well established in this area.                                                                                                                                                                                                        |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes visible. Plugs secure in secondary pipes.                                                                                                                                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2                            | Leachate Collection Sump-Depth (East pipe)                      | For the first time, the depth of the leachate collection system was measured by use of a connected PVC pipe. The water level reading appeared to be about six feet but this reading is suspect as interior pipe moisture may be confusing the actual depth. Additional readings are needed. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                                                                                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3                            | Leak Detection Sump-Depth (West pipe)                           | For the first time, the depth of the leak detection system was measured by use of a connected PVC pipe. The water level reading appeared to be about one foot but this reading is suspect as interior pipe moisture may be confusing the actual depth. Additional readings are needed.      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                              |                                                                 |                                                                                                                                                                                                                                                                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                                                                                                                                     |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                                                                                                                                  |                            |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                                                                                                                                             |                            |             |        |
| The leachate collection and leak detection systems was pumped on September 23, 26, and 27, 2005. Approximately 5,450 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 5 minutes of pumping. After about 30 minutes of pumping, no water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is well established. |                              |                                                                 |                                                                                                                                                                                                                                                                                             |                            |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are moist.                                                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                                                                                                                                             |                            |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting. The garbage that was recently dumped by the east entrance gate was removed.                                                                                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                                                                                                                                             |                            |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                   | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                      | Date: <u>Dec. 12, 2005</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                  | ITEM NO.                     | CONDITION             | OBSERVATION                                                                          | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                      | MONITOR                    | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                    | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils covered with 4-6 inches snow.    |                            |             |        |
|                                                                                                                                                                                                                                  | 2                            | Animal Burrows        | No new animal burrows observed.                                                      |                            |             |        |
|                                                                                                                                                                                                                                  | 3                            | Low Area              | No low areas were observed.                                                          |                            |             |        |
|                                                                                                                                                                                                                                  | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts.                                               |                            |             |        |
|                                                                                                                                                                                                                                  | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Surface covered with 4-6 inches snow.      |                            |             |        |
|                                                                                                                                                                                                                                  | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                            |             |        |
|                                                                                                                                                                                                                                  |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation covered with snow.              |                            |             |        |
|                                                                                                                                                                                                                                  | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                       |                            |             |        |
|                                                                                                                                                                                                                                  | 8                            | Erosion               | Surface soils solid and secure. Surface soils covered with snow.                     |                            |             |        |
| SIDE SLOPE                                                                                                                                                                                                                       | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                      |                            |             |        |
|                                                                                                                                                                                                                                  | 2                            | Animal Burrows        | None observed.                                                                       |                            |             |        |
|                                                                                                                                                                                                                                  | 3                            | Erosion               | No signs of erosion from side slopes at the site.                                    |                            |             |        |
|                                                                                                                                                                                                                                  | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.   |                            |             |        |
|                                                                                                                                                                                                                                  | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                            |             |        |
|                                                                                                                                                                                                                                  |                              |                       | in August 1,2002 letter from Jamie Poell.                                            |                            |             |        |
|                                                                                                                                                                                                                                  | 6                            | Exposed Liner         | None observed.                                                                       |                            |             |        |
|                                                                                                                                                                                                                                  | 7                            | Seepage               | None observed.                                                                       |                            |             |        |
|                                                                                                                                                                                                                                  | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                            |             |        |
|                                                                                                                                                                                                                                  | 9                            | Settlement/Subsidence | None observed.                                                                       |                            |             |        |
| Additional Comments: The temperature during the inspection was 15°F with calm winds and ice fog. The skies were cloudy with little chance snow.                                                                                  |                              |                       |                                                                                      |                            |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. Freezing temperatures have killed all insects. |                              |                       |                                                                                      |                            |             |        |
| No signs of forced entry or large animal (deer) presence in the primary containment area. The entire CAMU area is covered with about 4-6 inches of packed snow.                                                                  |                              |                       |                                                                                      |                            |             |        |
| The surface soils are hard and frozen.                                                                                                                                                                                           |                              |                       |                                                                                      |                            |             |        |
| The CAMU footprint and area around the CAMU were mowed on August 10, 2005.                                                                                                                                                       |                              |                       |                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                      |                            |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                   | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                   | Date: <u>Dec. 12, 2005</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                  | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                       | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                   | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                          | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Ground covered with 4-6 inches of snow. Soil frozen.                                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation is covered with 4-6 inches of snow.                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                                             |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Vegetation covered with snow.                                                                                          |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                      | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes under snow. Plugs secure in secondary pipes.                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 2                            | Leachate Collection Sump-Depth (East pipe)                      | The depth of the leachate collection system could not be measured by use of a connected PVC pipe. The measuring stand pipes were covered with 4-6 inches of snow. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 3                            | Leak Detection Sump-Depth (West pipe)                           | The depth of the leak detection system could not be measured by use of a connected PVC pipe. The measuring stand pipes were covered with 4-6 inches of snow.      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                   |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                           |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                  | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                        |                            |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                             |                              |                                                                 |                                                                                                                                                                   |                            |             |        |
| The leachate collection and leak detection systems was pumped on September 23, 26, and 27, 2005. Approximately 5,450 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 5 minutes of pumping. After about 30 minutes of pumping, |                              |                                                                 |                                                                                                                                                                   |                            |             |        |
| no water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is under snow.                                                                                                                                                                                                            |                              |                                                                 |                                                                                                                                                                   |                            |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are frozen.                                                                                                                                                                                                |                              |                                                                 |                                                                                                                                                                   |                            |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence from upper fields for planting.                                                                                                                                                                         |                              |                                                                 |                                                                                                                                                                   |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                           | Date: <u>Jan 17, 2006</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                               | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                                                                 |                                                                                                                                           | MONITOR                   | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Soil frozen. No obstruction noted.                                                                                                        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation is dormant and soils frozen.                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                         |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                       |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Surface soils frozen.                                                                          |                           |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes are plugged. Plugs secure in secondary pipes.                                                         |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                            | Leachate Collection Sump-Depth (East pipe)                      | The depth of the leachate collection system could not be measured by use of a connected PVC pipe. The measuring stand pipes were plugged. |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                                                                 |                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                            | Leak Detection Sump-Depth (West pipe)                           | The depth of the leak detection system could not be measured by use of a connected PVC pipe. The measuring stand pipes were plugged.      |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                                                                 |                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                   |                           |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                |                           |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                              |                                                                 |                                                                                                                                           |                           |             |        |
| The leachate collection and leak detection systems was pumped on September 23, 26, and 27, 2005. Approximately 5,450 gallons of water was pumped from the leachate collection system. The pumping of the leachate collection system was stopped when water could not be extracted after 5 minutes of pumping. After about 30 minutes of pumping, no water was extracted from the leak detection system. The vegetation inside and outside the primary containment fence is dormant. |                              |                                                                 |                                                                                                                                           |                           |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are frozen.                                                                                                                                                                                                                                                                                                                                   |                              |                                                                 |                                                                                                                                           |                           |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence for upper field planting. removed the orange plastic fence from upper fields for planting.                                                                                                                                                                                                                                                 |                              |                                                                 |                                                                                                                                           |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                   | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                                                                                           | Date: <u>Jan 17, 2006</u> |             |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                  | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                                                                                               | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                                                                                                           | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                    | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils were frozen with not snow.                                                                                            |                           |             |        |
|                                                                                                                                                                                                                                  | 2                            | Animal Burrows        | No new animal burrows observed.                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                  | 3                            | Low Area              | No low areas were observed.                                                                                                                                               |                           |             |        |
|                                                                                                                                                                                                                                  | 4                            | Ruts or Puddles       | Upper surface smooth and free of ruts.                                                                                                                                    |                           |             |        |
|                                                                                                                                                                                                                                  | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Surface soils frozen but not snow.                                                                                              |                           |             |        |
|                                                                                                                                                                                                                                  | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted in August 1,2002 letter from Jamie Poell. Vegetation dormant with winter temperatures. |                           |             |        |
|                                                                                                                                                                                                                                  | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                                                                                            |                           |             |        |
|                                                                                                                                                                                                                                  | 8                            | Erosion               | Surface soils solid and secure. Surface soils frozen.                                                                                                                     |                           |             |        |
| SIDE SLOPE                                                                                                                                                                                                                       | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                  | 2                            | Animal Burrows        | None observed.                                                                                                                                                            |                           |             |        |
|                                                                                                                                                                                                                                  | 3                            | Erosion               | No signs of erosion from side slopes at the site. Surface soils frozen.                                                                                                   |                           |             |        |
|                                                                                                                                                                                                                                  | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.                                                                                        |                           |             |        |
|                                                                                                                                                                                                                                  | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted in August 1,2002 letter from Jamie Poell.                                              |                           |             |        |
|                                                                                                                                                                                                                                  | 6                            | Exposed Liner         | None observed.                                                                                                                                                            |                           |             |        |
|                                                                                                                                                                                                                                  | 7                            | Seepage               | None observed.                                                                                                                                                            |                           |             |        |
|                                                                                                                                                                                                                                  | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.                                                                                      |                           |             |        |
|                                                                                                                                                                                                                                  | 9                            | Settlement/Subsidence | None observed.                                                                                                                                                            |                           |             |        |
| Additional Comments: The temperature during the inspection was 30°F with calm winds. The skies were mostly clear with afternoon snow expected.                                                                                   |                              |                       |                                                                                                                                                                           |                           |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. Freezing temperatures have killed all insects. |                              |                       |                                                                                                                                                                           |                           |             |        |
| No signs of forced entry or large animal (deer) presence in the primary containment area. The entire CAMU area is covered with about 4-6 inches of-packed snow.                                                                  |                              |                       |                                                                                                                                                                           |                           |             |        |
| The surface soils are hard and frozen. Only the eastern side slopes and area around the south fences had snow cover.                                                                                                             |                              |                       |                                                                                                                                                                           |                           |             |        |
| The CAMU footprint and area around the CAMU were mowed on August 10, 2005.                                                                                                                                                       |                              |                       |                                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                                                                                                           |                           |             |        |
|                                                                                                                                                                                                                                  |                              |                       |                                                                                                                                                                           |                           |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                | Date: Feb 13, 2006 |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                    | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                                | MONITOR            | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils are mostly hard from freezing temperatures |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | No new animal burrows observed.                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                            | Low Area              | No low areas were observed.                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                            | Ruts or Puddles       | Upper surface free of ruts.                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Vegetation dormant.                                  |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted             |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell. Vegetation dormant with winter temperatures.         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                 |                    |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8                            | Erosion               | Surface soils solid and secure. Surface soils mostly frozen.                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs.                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2                            | Animal Burrows        | None observed.                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                            | Erosion               | No signs of erosion from side slopes at the site. Surface soils mostly frozen.                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.             |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted             |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       | in August 1,2002 letter from Jamie Poell.                                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6                            | Exposed Liner         | None observed.                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7                            | Seepage               | None observed.                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.           |                    |             |        |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Settlement/Subsidence        | None observed.        |                                                                                                |                    |             |        |
| Additional Comments: The temperature during the inspection was 40°F with moderate winds. The skies were mostly cloudy with afternoon and nighttime snow flurries expected. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. No signs of forced entry or large animals (deer) presence in primary containment area. |                              |                       |                                                                                                |                    |             |        |
| The entire CAMU area is clear of major snow accumulation but some ice is present on north slope of the CAMU.                                                                                                                                                                                                                                                                                                                                        |                              |                       |                                                                                                |                    |             |        |
| The surface soils are mostly frozen but south side slopes are dry from recent warming temperatures..                                                                                                                                                                                                                                                                                                                                                |                              |                       |                                                                                                |                    |             |        |
| The CAMU footprint and area around the CAMU were mowed on August 10, 2005.                                                                                                                                                                                                                                                                                                                                                                          |                              |                       |                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                              |                       |                                                                                                |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                           | Date: Feb 13, 2006 |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                               | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                                                                 |                                                                                                                                           | MONITOR            | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Soil hard and mostly frozen. No obstruction noted.                                                                                        |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional.                                                                                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation is dormant and soils mostly frozen.                                                              |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                     |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                       |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                          |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Surface soils mostly frozen.                                                                   |                    |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes are plugged. Plugs secure in secondary pipes.                                                         |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                            | Leachate Collection Sump-Depth (East pipe)                      | The depth of the leachate collection system could not be measured by use of a connected PVC pipe. The measuring stand pipes were plugged. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                                                                 |                                                                                                                                           |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3                            | Leak Detection Sump-Depth (West pipe)                           | The depth of the leak detection system could not be measured by use of a connected PVC pipe. The measuring stand pipes were plugged.      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              |                                                                 |                                                                                                                                           |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                   |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                |                    |             |        |
| <b>Additional Comments:</b><br>The leachate collection and leak detection systems are being pumped throughout February. From February 1-12, 2,300 gallons of water was pumped from the leachate collection system and 1,300 gallons pumped from leak detection. A pump system that will more efficiently remove water from the leachate collection and leak detection system is being evaluated. Based on calculations by Bob Miller, six feet of measured water equals 2.7 feet of vertical water in the CAMU leachate collection and leak detection.<br>The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are mostly frozen.<br>There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence for upper field planting. |                              |                                                                 |                                                                                                                                           |                    |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                                | Date: <u>Mar 17, 2006</u> |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|------------------------------------------------------------------------------------------------|---------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION             | OBSERVATION                                                                                    | ACTION NEEDED             |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                | MONITOR                   | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                               | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils are mostly hard from freezing temperatures |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | No new animal burrows observed.                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 3                            | Low Area              | No low areas were observed.                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 4                            | Ruts or Puddles       | Upper surface free of ruts.                                                                    |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Vegetation dormant.                                  |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted            |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation dormant with winter temperatures.        |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                                 |                           |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                  | 8                            | Erosion               | Surface soils solid and secure. Surface soils mostly frozen.                                   |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs. Surface soils frozen.                          |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows        | None observed.                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 3                            | Erosion               | No signs of erosion from side slopes at the site. Surface soils mostly frozen.                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.             |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted            |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       | in August 1, 2002 letter from Jamie Poell.                                                     |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 6                            | Exposed Liner         | None observed.                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 7                            | Seepage               | None observed.                                                                                 |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.           |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             | 9                            | Settlement/Subsidence | None observed.                                                                                 |                           |             |        |
| Additional Comments: The temperature during the inspection was 30°F with light winds. The skies were mostly clear with late winter and early spring conditions.                                                                                                                                                             |                              |                       |                                                                                                |                           |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. Geese are foraging in the fields east of the CAMU. No signs of forced entry or large animals (deer) presence in primary containment area. |                              |                       |                                                                                                |                           |             |        |
| The entire CAMU area is clear of all snow accumulation and the soils inside the CAMU fingerprint continue to be hard and frozen.                                                                                                                                                                                            |                              |                       |                                                                                                |                           |             |        |
| Poison treated seeds were placed near suspect vole holes on the upper surface and side slopes. These areas will continue to be monitored for burrowing activity.                                                                                                                                                            |                              |                       |                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                |                           |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                       |                                                                                                |                           |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Cell No. PHASE I CELL |                                                                 | Inspected by: Jon Nickel                                                                                                                                                         | Date: Mar 17, 2006 |             |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | ITEM NO.              | CONDITION                                                       | OBSERVATION                                                                                                                                                                      | ACTION NEEDED      |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                                                                 |                                                                                                                                                                                  | MONITOR            | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1                     | Toe Ditches - Obstruction due to vegetation/sedimentation       | Soil hard and mostly frozen. No obstruction noted.                                                                                                                               |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                     | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional. NO erosion observed.                                                                                                                      |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                     | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation is dormant and soils mostly frozen.                                                                                                     |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                     | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-cut. Vegetation mowed on August 10, 2005.                                                                                                            |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                     | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6                     | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                                                              |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7                     | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                 |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 8                     | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no overtopping. Surface soils mostly frozen.                                                                                                           |                    |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1                     | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes are plugged. Plugs secure in secondary pipes.                                                                                                |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2                     | Leachate Collection Sump-Depth (East pipe)                      | The depth of the leachate collection system is being regularly monitored with new inner one-piece PVC pipe. The depth of standing water in the leachate collection was 1.7 feet. |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3                     | Leak Detection Sump-Depth (West pipe)                           | The depth of the leak detection system could not be measured since inner PVC pipe was damaged when attempting to replace with one-piece pipe.                                    |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4                     | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                          |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                     | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                       |                    |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Additional Comments:  |                                                                 |                                                                                                                                                                                  |                    |             |        |
| The leachate collection system was intermittently pumped from February 13, 2006 through March 17, 2006 with a total of 2400 gallons removed. Walter Crane's pump system and the new one-piece inner pipe allow more efficient water removal from the leachate collection system. The leak detection water level could not be measured since the inner pipe was broken inside the primary pipe when being replaced. Plans are being made to repair the broken inner pipe by excavating to the depth of the break. |                       |                                                                 |                                                                                                                                                                                  |                    |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are mostly frozen.                                                                                                                                                                                                                                                                                                                                                         |                       |                                                                 |                                                                                                                                                                                  |                    |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence for upper field planting.                                                                                                                                                                                                                                                                                                                                               |                       |                                                                 |                                                                                                                                                                                  |                    |             |        |

## CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                              | Cell No. <u>PHASE I CELL</u> |                                                                             | Inspected by: <u>Jon Nickel</u>                                                      | Date: April 4, 2006 |               |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------|---------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                             | ITEM NO.                     | CONDITION                                                                   |                                                                                      | OBSERVATION         | ACTION NEEDED |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                                                                             |                                                                                      |                     | MONITOR       | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                               | 1                            | Surface Cracking                                                            | No surface cracking was observed. The surface soils are wet from spring rains.       |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows                                                              | No new animal burrows observed.                                                      |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 3                            | Low Area                                                                    | No low areas were observed.                                                          |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 4                            | Ruts or Puddles                                                             | Upper surface free of ruts.                                                          |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 5                            | Vegetation Condition                                                        | Vegetation last mowed on August 10, 2005. Vegetation dormant.                        |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 6                            | Noxious Weeds                                                               | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                                                                             | in August 1,2002 letter from Jamie Poell. Vegetation mostly dormant.                 |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 7                            | Settlement/Subsidence                                                       | None observed. No settlement observed when walking on surface.                       |                     |               |             |        |
| 8                                                                                                                                                                                                                                                                                                                           | Erosion                      | Surface soils solid and secure. Surface soils wet from recent spring rains. |                                                                                      |                     |               |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                  | 1                            | Slide, Slough, Scarp                                                        | Side slopes soils secure. No slides or sloughs. Surface soils wet from spring rains. |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 2                            | Animal Burrows                                                              | No new burrows observed.                                                             |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 3                            | Erosion                                                                     | No signs of erosion from side slopes at the site. Surface soils wet.                 |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 4                            | Vegetation Condition                                                        | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.   |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 5                            | Noxious Weeds                                                               | CAMU site revegetation evaluation conducted on July 17,2002. Recommendations noted   |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                                                                             | in August 1,2002 letter from Jamie Poell.                                            |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 6                            | Exposed Liner                                                               | None observed.                                                                       |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 7                            | Seepage                                                                     | None observed.                                                                       |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             | 8                            | Fencing                                                                     | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances. |                     |               |             |        |
| 9                                                                                                                                                                                                                                                                                                                           | Settlement/Subsidence        | None observed.                                                              |                                                                                      |                     |               |             |        |
| Additional Comments: The temperature during the inspection was 52°F with light winds. The skies were mostly cloudy with light to steady rain.                                                                                                                                                                               |                              |                                                                             |                                                                                      |                     |               |             |        |
| The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. Geese are foraging in the fields east of the CAMU. No signs of forced entry or large animals (deer) presence in primary containment area. |                              |                                                                             |                                                                                      |                     |               |             |        |
| The entire CAMU area is clear of all snow accumulation and the soils inside the CAMU fingerprint are wet from recent spring rains.                                                                                                                                                                                          |                              |                                                                             |                                                                                      |                     |               |             |        |
| Eight dormant voles holes located on the southeast slope and upper section of the CAMU were filled clay. These will continue to be monitored for burrowing activity.                                                                                                                                                        |                              |                                                                             |                                                                                      |                     |               |             |        |
| One dead vole was observed near one of the dormant burrows (probably poisoned). Skunk diggings were observed near 3 of the dormant holes.                                                                                                                                                                                   |                              |                                                                             |                                                                                      |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                                                                             |                                                                                      |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                                                                             |                                                                                      |                     |               |             |        |
|                                                                                                                                                                                                                                                                                                                             |                              |                                                                             |                                                                                      |                     |               |             |        |

# **CAMU INSPECTION CHECKLIST**

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                        | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                  | Date: <u>April 4, 2006</u> |             |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                       | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                      | ACTION NEEDED              |             |        |
|                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                  | MONITOR                    | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                                               | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Soil wet from recent spring rains. No obstruction noted.                                                                                                                         |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional. No erosion observed.                                                                                                                      |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation is dormant and soils wet.                                                                                                               |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                                                            |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation dormant. No new sediment evident in the diversion ditch.                                                                                                              |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                 |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Surface soils wet from rains.                                                                                                         |                            |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                                                           | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes are plugged. Plugs secure in secondary pipes.                                                                                                |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 2                            | Leachate Collection Sump-Depth (East pipe)                      | The depth of the leachate collection system is being regularly monitored with new inner one-piece PVC pipe. The depth of standing water in the leachate collection was 2.0 feet. |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 3                            | Leak Detection Sump-Depth (West pipe)                           | The depth of the leak detection system could not be measured since inner PVC pipe was damaged when attempting to replace with one-piece pipe.                                    |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                          |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                       |                            |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
| The leachate collection and the leak detection system were not pumped between March 17, 2006 (last inspection) and April 4, 2006. The leak detection could not be measured since the inner pipe was broken inside the primary pipe when being replaced. Plans are being made to repair the broken inner pipe by excavating to the depth of the break. |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
| The orange snow fence was pulled down on the northwest corner of the secondary containment area. The soils in the primary containment are wet from spring rains.                                                                                                                                                                                      |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch. A local farmer has removed the orange plastic fence for upper field planting.                                                                                                                                                                                    |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |
|                                                                                                                                                                                                                                                                                                                                                       |                              |                                                                 |                                                                                                                                                                                  |                            |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                            | Cell No. <u>PHASE I CELL</u> |                                                                 | Inspected by: <u>Jon Nickel</u>                                                                                                                                                  | Date: <u>May 8, 2006</u> |             |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                           | ITEM NO.                     | CONDITION                                                       | OBSERVATION                                                                                                                                                                      | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                  | MONITOR                  | INVESTIGATE | REPAIR |
| STORM WATER CONVEYANCES                                                                                                                                                                                                                                                                                                   | 1                            | Toe Ditches - Obstruction due to vegetation/sedimentation       | Soil dry. No obstruction noted.                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 2                            | Toe Ditches - evidence of erosion                               | Toe ditches are intact and functional. No erosion observed.                                                                                                                      |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 3                            | Stormwater Basin - excessive vegetation/sedimentation           | All surface soils secure. The vegetation is active and soils are dry.                                                                                                            |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 4                            | Stormwater Basin - presence of sand (washout of drainage layer) | No sign of sediment or wash-out. Vegetation mowed on August 10, 2005.                                                                                                            |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 5                            | Stormwater Basin - Evidence of erosion or overtopping           | No sign of overtopping the basin.                                                                                                                                                |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 6                            | Upstream Diversion Ditch-excessive vegetation or sedimentation  | Vegetation active. No new sediment evident in the diversion ditch.                                                                                                               |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 7                            | Upstream Diversion Ditch - evidence of erosion                  | The diversion ditch shows no additional erosion.                                                                                                                                 |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 8                            | Upstream Diversion Ditch - evidence of overtopping              | The diversion ditch shows no over-topping. Surface soils dry.                                                                                                                    |                          |             |        |
| LEACHATE COLLECTION SYSTEM/MONITORING WELLS                                                                                                                                                                                                                                                                               | 1                            | Condition of Leachate Sumps                                     | Tops of primary and secondary pipes are plugged. Plugs secure in secondary pipes.                                                                                                |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 2                            | Leachate Collection Sump-Depth (East pipe)                      | The depth of the leachate collection system is being regularly monitored with new inner one-piece PVC pipe. The depth of standing water in the leachate collection was 2.2 feet. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 3                            | Leak Detection Sump-Depth (West pipe)                           | The depth of the leak detection system could not be measured since inner PVC pipe was damaged when attempting to replace with one-piece pipe.                                    |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 4                            | Monitoring Wells - Condition of Protective Surface Casing       | Monitoring wells surface casing has not been disturbed.                                                                                                                          |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           | 5                            | Monitoring Wells - Presence of Locks                            | Locks are present on all monitoring wells.                                                                                                                                       |                          |             |        |
| Additional Comments:                                                                                                                                                                                                                                                                                                      |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
| The leachate collection and the leak detection system were not pumped between April 4, 2006 (last inspection) and May 8, 2006. The leak detection could not be measured since the inner pipe was broken inside the primary pipe when being replaced. The primary pipe is being excavated to access the broken inner pipe. |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
| The orange snow fence, silt fence in adjacent runoff ditches, and construction fence has been removed from the CAMU area. Some additional silt fence removal is pending.                                                                                                                                                  |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
| There is no new evidence of storm water impact to the CAMU upstream diversion ditch.                                                                                                                                                                                                                                      |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |
|                                                                                                                                                                                                                                                                                                                           |                              |                                                                 |                                                                                                                                                                                  |                          |             |        |

# CAMU INSPECTION CHECKLIST

| AREA INSPECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Cell No. <u>PHASE I CELL</u> |                       | Inspected by: <u>Jon Nickel</u>                                                        | Date: <u>May 8, 2006</u> |             |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------|----------------------------------------------------------------------------------------|--------------------------|-------------|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ITEM NO.                     | CONDITION             | OBSERVATION                                                                            | ACTION NEEDED            |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                        | MONITOR                  | INVESTIGATE | REPAIR |
| UPPER SURFACE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                            | Surface Cracking      | No surface cracking was observed. The surface soils are dry from warm spring winds.    |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | No new animal burrows observed.                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Low Area              | No low areas were observed.                                                            |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Ruts or Puddles       | Upper surface free of ruts.                                                            |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Vegetation Condition  | Vegetation last mowed on August 10, 2005. Vegetation active with green sprouts.        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted    |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       | in August 1, 2002 letter from Jamie Poell. Vegetation active with warmer temperatures. |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Settlement/Subsidence | None observed. No settlement observed when walking on surface.                         |                          |             |        |
| SIDE SLOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 8                            | Erosion               | Surface soils solid and secure. Surface soils dry from warming temperatures.           |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                            | Slide, Slough, Scarp  | Side slopes soils secure. No slides or sloughs. Surface soils dry.                     |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                            | Animal Burrows        | No new burrows observed.                                                               |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                            | Erosion               | No signs of erosion from side slopes at the site. Surface soils dry.                   |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4                            | Vegetation Condition  | Grass tufts about 6 inches after mowing. Vegetation last mowed on August 10, 2005.     |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5                            | Noxious Weeds         | CAMU site revegetation evaluation conducted on July 17, 2002. Recommendations noted    |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       | in August 1, 2002 letter from Jamie Poell.                                             |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 6                            | Exposed Liner         | None observed.                                                                         |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                            | Seepage               | None observed.                                                                         |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                            | Fencing               | Fence is new with no damage observed. "No Trespassing, Keep Out" signs at entrances.   |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9                            | Settlement/Subsidence | None observed.                                                                         |                          |             |        |
| Additional Comments: The temperature during the inspection was 50°F with brisk winds from the west. The skies were mostly cloudy with slight chance for rain. The CAMU gates were secured and locked. No sign of trespassing or artificial disturbance. The locks on the monitoring wells were secure. No animal presence or movement observed. No signs of forced entry or large animals (deer) presence in primary containment area. The silt and construction fences were removed from the CAMU area during April 2006. Minor work is needed to removed some of the silt fence around the exterior of the storm water conveyance basin. |                              |                       |                                                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                        |                          |             |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |                       |                                                                                        |                          |             |        |

## **APPENDIX C**

### **LINER PRECIPITATION ACCUMULATION CALCULATIONS**

length = 455 ft                      1 (ft<sup>3</sup>) = 7.471451187 gal  
width = 455 ft  
Total Area = 4.75 acres

| Precipitation Accumulation |             |             |                         |                           |                  |
|----------------------------|-------------|-------------|-------------------------|---------------------------|------------------|
|                            | precip (in) | precip (ft) | Area (ft <sup>2</sup> ) | Volume (ft <sup>3</sup> ) | Volume (gallons) |
| August                     | 0.43        | 0.036       | 207025.00               | 7418                      | 55426            |
| September                  | 1.38        | 0.115       | 207025.00               | 23808                     | 177879           |
| October                    | 0.54        | 0.045       | 207025.00               | 9316                      | 69605            |
| Totals =                   | 2.35        |             |                         | 40542                     | 302911           |

| DATE      | Leachate Collection<br>Volume Removed (Gallons) | Leak Detection<br>Volume Removed (Gallons) |
|-----------|-------------------------------------------------|--------------------------------------------|
| 2/6/2002  | 420                                             |                                            |
| 2/7/2002  | 5250                                            |                                            |
| 2/8/2002  | 2600                                            |                                            |
| 2/21/2002 | 2200                                            |                                            |
| 2/22/2002 |                                                 | 750                                        |
| 5/2/2002  | 3550                                            |                                            |
| 5/3/2002  |                                                 | 280                                        |
| 6/11/2003 | 4250                                            |                                            |
| 6/12/2003 |                                                 | 40                                         |
| 9/25/2005 | 5450                                            |                                            |
| 2/1/2006  | 1500                                            |                                            |
| 2/2/2006  |                                                 | 300                                        |
| 2/6/2006  |                                                 | 225                                        |
| 2/7/2006  |                                                 | 375                                        |
| 2/8/2006  |                                                 | 400                                        |
| 2/9/2006  | 400                                             |                                            |
| 2/10/2006 | 400                                             |                                            |
| 2/13/2006 | 250                                             | 150                                        |
| 2/28/2006 | 1500                                            |                                            |
| 3/6/2006  | 900                                             |                                            |
| 6/7/2006  | 950                                             |                                            |
| 6/8/2006  | 600                                             |                                            |
| 6/9/2006  |                                                 | 900                                        |
| 6/30/2006 |                                                 |                                            |
| 7/1/2006  | 300                                             | 300                                        |
| 7/4/2006  | 200                                             |                                            |
| 7/28/2006 | 300                                             |                                            |
| 7/31/2006 | 300                                             |                                            |
| 8/1/2006  | 375                                             |                                            |
| 8/3/2006  | 375                                             |                                            |
| 8/4/2006  | 300                                             |                                            |
| 8/5/2006  | 150                                             |                                            |
| 8/7/2006  |                                                 | 450                                        |
| 8/8/2006  |                                                 | 600                                        |
| 8/9/2006  |                                                 | 350                                        |
| 8/10/2006 | 500                                             | 50                                         |
| 8/11/2006 | 50                                              | 150                                        |
| 9/25/2006 | 300                                             |                                            |
| 9/26/2006 | 350                                             |                                            |
| 9/27/2006 | 275                                             |                                            |
| 9/28/2006 | 150                                             | 150                                        |
| 9/29/2006 |                                                 | 400                                        |
| 10/2/2006 |                                                 | 200                                        |
| 10/3/2006 | 225                                             | 100                                        |
| 10/4/2006 | 125                                             |                                            |
|           |                                                 |                                            |
|           |                                                 |                                            |
| Totals:   | 34495                                           | 6170                                       |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(Inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time    | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|---------|----------|
| 1/1/2003  |                                                      |                                                         |         |          |
| 1/2/2003  |                                                      |                                                         |         |          |
| 1/3/2003  |                                                      |                                                         |         |          |
| 1/4/2003  |                                                      |                                                         |         |          |
| 1/5/2003  |                                                      |                                                         |         |          |
| 1/6/2003  | 0.07                                                 |                                                         | 1:00 PM | JCN      |
| 1/7/2003  |                                                      |                                                         |         |          |
| 1/8/2003  |                                                      |                                                         |         |          |
| 1/9/2003  |                                                      |                                                         |         |          |
| 1/10/2003 |                                                      |                                                         |         |          |
| 1/11/2003 |                                                      |                                                         |         |          |
| 1/12/2003 |                                                      |                                                         |         |          |
| 1/13/2003 |                                                      |                                                         |         |          |
| 1/14/2003 |                                                      |                                                         |         |          |
| 1/15/2003 | Snow                                                 |                                                         |         | JCN      |
| 1/16/2003 |                                                      |                                                         |         |          |
| 1/17/2003 |                                                      |                                                         |         |          |
| 1/18/2003 |                                                      |                                                         |         |          |
| 1/19/2003 |                                                      |                                                         |         |          |
| 1/20/2003 |                                                      |                                                         |         |          |
| 1/21/2003 |                                                      |                                                         |         |          |
| 1/22/2003 | 0.05                                                 |                                                         |         | JCN      |
| 1/23/2003 |                                                      |                                                         |         |          |
| 1/24/2003 |                                                      |                                                         |         |          |
| 1/25/2003 |                                                      |                                                         |         |          |
| 1/26/2003 |                                                      |                                                         |         |          |
| 1/27/2003 |                                                      |                                                         |         |          |
| 1/28/2003 |                                                      |                                                         |         |          |
| 1/29/2003 |                                                      |                                                         |         |          |
| 1/30/2003 |                                                      |                                                         |         |          |
| 1/31/2003 |                                                      |                                                         |         |          |
| Totals:   | 0.12                                                 |                                                         |         |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 2/1/2003  |                                                      |                                                         |      |          |
| 2/2/2003  |                                                      |                                                         |      |          |
| 2/3/2003  |                                                      |                                                         |      |          |
| 2/4/2003  | Trace                                                |                                                         | 1300 | JCN      |
| 2/5/2003  |                                                      |                                                         |      |          |
| 2/6/2003  |                                                      |                                                         |      |          |
| 2/7/2003  |                                                      |                                                         |      |          |
| 2/8/2003  |                                                      |                                                         |      |          |
| 2/9/2003  |                                                      |                                                         |      |          |
| 2/10/2003 | 0.03                                                 |                                                         | 1000 | JCN      |
| 2/11/2003 | 0.00                                                 |                                                         | 1100 | JCN      |
| 2/12/2003 | 0.00                                                 |                                                         | 900  | JCN      |
| 2/13/2003 | 0.00                                                 |                                                         | 1500 | JCN      |
| 2/14/2003 |                                                      |                                                         |      |          |
| 2/15/2003 |                                                      |                                                         |      |          |
| 2/16/2003 |                                                      |                                                         |      |          |
| 2/17/2003 |                                                      |                                                         |      |          |
| 2/18/2003 |                                                      |                                                         |      |          |
| 2/19/2003 |                                                      |                                                         |      |          |
| 2/20/2003 |                                                      |                                                         |      |          |
| 2/21/2003 |                                                      |                                                         |      |          |
| 2/22/2003 |                                                      |                                                         |      |          |
| 2/23/2003 |                                                      |                                                         |      |          |
| 2/24/2003 | 0.05                                                 | From 2/22                                               | 1400 |          |
| 2/25/2003 | 0.00                                                 |                                                         | 800  |          |
| 2/26/2003 |                                                      |                                                         |      |          |
| 2/27/2003 |                                                      |                                                         |      |          |
| 2/28/2003 |                                                      |                                                         |      |          |
| Totals:   | 0.08                                                 |                                                         |      |          |
|           |                                                      |                                                         |      |          |
|           |                                                      |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 3/1/2003  |                                                      |                                                         |      |          |
| 3/2/2003  |                                                      |                                                         |      |          |
| 3/3/2003  |                                                      |                                                         |      |          |
| 3/4/2003  |                                                      |                                                         |      |          |
| 3/5/2003  |                                                      |                                                         |      |          |
| 3/6/2003  | 0.01                                                 |                                                         | 1000 | JCN      |
| 3/7/2003  |                                                      |                                                         |      |          |
| 3/8/2003  |                                                      |                                                         |      |          |
| 3/9/2003  |                                                      |                                                         |      |          |
| 3/10/2003 |                                                      |                                                         |      |          |
| 3/11/2003 |                                                      |                                                         |      |          |
| 3/12/2003 |                                                      |                                                         |      |          |
| 3/13/2003 |                                                      |                                                         |      |          |
| 3/14/2003 |                                                      |                                                         |      |          |
| 3/15/2003 |                                                      |                                                         |      |          |
| 3/16/2003 |                                                      |                                                         |      |          |
| 3/17/2003 | 0.00                                                 |                                                         | 1200 | JCN      |
| 3/18/2003 | 0.00                                                 |                                                         | 1100 | JCN      |
| 3/19/2003 | 0.00                                                 |                                                         | 1000 | JCN      |
| 3/20/2003 | 0.00                                                 |                                                         | 1200 | JCN      |
| 3/21/2003 | 0.00                                                 |                                                         | 1300 | JCN      |
| 3/22/2003 |                                                      |                                                         |      |          |
| 3/23/2003 |                                                      |                                                         |      |          |
| 3/24/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 3/25/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 3/26/2003 | 0.04                                                 |                                                         | 1200 | JCN      |
| 3/27/2003 | 0.00                                                 |                                                         | 1300 | JCN      |
| 3/28/2003 | 0.00                                                 |                                                         | 1200 | JCN      |
| 3/29/2003 |                                                      |                                                         |      |          |
| 3/30/2003 |                                                      |                                                         |      |          |
| 3/31/2003 | 0.00                                                 |                                                         | 1400 | JCN      |
| Totals:   | 0.05                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 4/1/2003  | 0.20                                                 |                                                         | 1330 | JCN      |
| 4/2/2003  | 0.15                                                 |                                                         | 1330 | JCN      |
| 4/3/2003  | 0.05                                                 |                                                         | 0700 | JCN      |
| 4/4/2003  | Trc                                                  |                                                         | 1200 | JCN      |
| 4/5/2003  |                                                      |                                                         |      |          |
| 4/6/2003  |                                                      |                                                         |      |          |
| 4/7/2003  |                                                      |                                                         |      |          |
| 4/8/2003  | Trc                                                  |                                                         | 0700 | JCN      |
| 4/9/2003  | 0.00                                                 |                                                         | 1200 | JCN      |
| 4/10/2003 | 0.00                                                 |                                                         | 0700 | JCN      |
| 4/11/2003 |                                                      |                                                         |      |          |
| 4/12/2003 |                                                      |                                                         |      |          |
| 4/13/2003 | Trc                                                  |                                                         | 1300 | JCN      |
| 4/14/2003 | Trc                                                  |                                                         | 0700 | JCN      |
| 4/15/2003 | 0.10                                                 |                                                         | 1100 | JCN      |
| 4/16/2003 | 0.00                                                 |                                                         | 1200 | JCN      |
| 4/17/2003 | 0.00                                                 |                                                         | 0800 | JCN      |
| 4/18/2003 | 0.50                                                 |                                                         | 0700 | JCN      |
| 4/19/2003 |                                                      |                                                         |      |          |
| 4/20/2003 |                                                      |                                                         |      |          |
| 4/21/2003 | 0.00                                                 |                                                         | 0600 | JCN      |
| 4/22/2003 |                                                      |                                                         |      |          |
| 4/23/2003 | 0.25                                                 | 3                                                       | 0100 | kk       |
| 4/24/2003 | 0.40                                                 |                                                         | 0600 | JCN      |
| 4/25/2003 | 0.05                                                 |                                                         |      | JCN      |
| 4/26/2003 |                                                      |                                                         |      |          |
| 4/27/2003 | 0.00                                                 |                                                         | 0900 | JCN      |
| 4/28/2003 | 0.05                                                 |                                                         | 0600 | JCN      |
| 4/29/2003 | 0.25                                                 |                                                         | 0700 | JCN      |
| 4/30/2003 | 0.20                                                 |                                                         | 0800 | JCN      |
| Totals:   | 2.20                                                 |                                                         |      |          |

**ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST**

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 5/1/2003  | 0.00                                                 |                                                         | 1200 | JCN      |
| 5/2/2003  | 0.00                                                 |                                                         | 1200 | JCN      |
| 5/3/2003  |                                                      |                                                         |      |          |
| 5/4/2003  | 0.40                                                 |                                                         | 630  | JCN      |
| 5/5/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 5/6/2003  |                                                      |                                                         |      |          |
| 5/7/2003  | 0.00                                                 |                                                         | 630  | JCN      |
| 5/8/2003  | 0.00                                                 |                                                         | 630  | JCN      |
| 5/9/2003  |                                                      |                                                         |      |          |
| 5/10/2003 |                                                      |                                                         |      |          |
| 5/11/2003 | 0.08                                                 |                                                         | 630  | JCN      |
| 5/12/2003 | 0.16                                                 |                                                         | 630  | JCN      |
| 5/13/2003 | Trc                                                  |                                                         | 600  | JCN      |
| 5/14/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 5/15/2003 | 0.05                                                 |                                                         | 630  | JCN      |
| 5/16/2003 |                                                      |                                                         |      |          |
| 5/17/2003 |                                                      |                                                         |      |          |
| 5/18/2003 | Trc                                                  |                                                         | 630  | JCN      |
| 5/19/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 5/20/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 5/21/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 5/22/2003 |                                                      |                                                         |      |          |
| 5/23/2003 |                                                      |                                                         |      |          |
| 5/24/2003 |                                                      |                                                         |      |          |
| 5/25/2003 | 0.25                                                 |                                                         | 600  | JCN      |
| 5/26/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 5/27/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 5/28/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 5/29/2003 |                                                      |                                                         |      |          |
| 5/30/2003 |                                                      |                                                         |      |          |
| 5/31/2003 |                                                      |                                                         |      |          |
| Totals:   | 0.94                                                 |                                                         |      |          |

**ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST**

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 6/1/2003  |                                                      |                                                         |      |          |
| 6/2/2003  |                                                      |                                                         |      |          |
| 6/3/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 6/4/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 6/5/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 6/6/2003  | 0.08                                                 |                                                         | 1530 | JCN      |
| 6/7/2003  |                                                      |                                                         |      |          |
| 6/8/2003  |                                                      |                                                         |      |          |
| 6/9/2003  | Trc                                                  |                                                         | 900  | JCN      |
| 6/10/2003 | 0.15                                                 |                                                         | 600  | JCN      |
| 6/11/2003 | 0.17                                                 |                                                         | 600  | JCN      |
| 6/12/2003 |                                                      |                                                         |      |          |
| 6/13/2003 |                                                      |                                                         |      |          |
| 6/14/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/15/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/16/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/17/2003 | 0.00                                                 |                                                         | 615  | JCN      |
| 6/18/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 6/19/2003 | 0.50                                                 |                                                         | 530  | JCN      |
| 6/20/2003 | 0.30                                                 |                                                         | 1400 | JCN      |
| 6/21/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/22/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/23/2003 | Trc                                                  |                                                         | 600  | JCN      |
| 6/24/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 6/25/2003 | 0.15                                                 |                                                         | 1550 | JCN      |
| 6/26/2003 |                                                      |                                                         |      |          |
| 6/27/2003 |                                                      |                                                         |      |          |
| 6/28/2003 |                                                      |                                                         |      |          |
| 6/29/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/30/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| Total:    | 1.35                                                 |                                                         |      |          |

**ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST**

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 7/1/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 7/2/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 7/3/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 7/4/2003  | 0.00                                                 |                                                         | 700  | JCN      |
| 7/5/2003  | 0.00                                                 |                                                         | 900  | JCN      |
| 7/6/2003  | 0.00                                                 |                                                         | 1000 | JCN      |
| 7/7/2003  | 0.00                                                 |                                                         | 400  | JCN      |
| 7/8/2003  | Trc                                                  |                                                         | 630  | JCN      |
| 7/9/2003  | 0.00                                                 |                                                         | 700  | JCN      |
| 7/10/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/11/2003 |                                                      |                                                         |      |          |
| 7/12/2003 |                                                      |                                                         |      |          |
| 7/13/2003 |                                                      |                                                         |      |          |
| 7/14/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/15/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/16/2003 |                                                      |                                                         |      |          |
| 7/17/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 7/18/2003 |                                                      |                                                         |      |          |
| 7/19/2003 |                                                      |                                                         |      |          |
| 7/20/2003 |                                                      |                                                         |      |          |
| 7/21/2003 |                                                      |                                                         |      |          |
| 7/22/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/23/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/24/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/25/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/26/2003 |                                                      |                                                         |      |          |
| 7/27/2003 |                                                      |                                                         |      |          |
| 7/28/2003 |                                                      |                                                         |      |          |
| 7/29/2003 |                                                      |                                                         |      |          |
| 7/30/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/31/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| Total     | 0.00                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 8/1/2003  |                                                      |                                                         |      |          |
| 8/2/2003  |                                                      |                                                         |      |          |
| 8/3/2003  |                                                      |                                                         |      |          |
| 8/4/2003  | 0.17                                                 |                                                         | 600  | JCN      |
| 8/5/2003  | 0.10                                                 |                                                         | 600  | JCN      |
| 8/6/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 8/7/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 8/8/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 8/9/2003  |                                                      |                                                         |      |          |
| 8/10/2003 |                                                      |                                                         |      |          |
| 8/11/2003 | 0.07                                                 |                                                         | 1600 | JCN      |
| 8/12/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 8/13/2003 | 0.05                                                 |                                                         | 1600 | JCN      |
| 8/14/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/15/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/16/2003 | 0.17                                                 |                                                         | 2100 | JCN      |
| 8/17/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 8/18/2003 |                                                      |                                                         |      |          |
| 8/19/2003 |                                                      |                                                         |      |          |
| 8/20/2003 |                                                      |                                                         |      |          |
| 8/21/2003 |                                                      |                                                         |      |          |
| 8/22/2003 |                                                      |                                                         |      |          |
| 8/23/2003 |                                                      |                                                         |      |          |
| 8/24/2003 |                                                      |                                                         |      |          |
| 8/25/2003 | 0.00                                                 |                                                         | 530  | JCN      |
| 8/26/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/27/2003 | 0.02                                                 |                                                         | 1300 | JCN      |
| 8/28/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/29/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/30/2003 |                                                      |                                                         |      |          |
| 8/31/2003 |                                                      |                                                         |      |          |
| Total     | 0.58                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 9/1/2003  |                                                      |                                                         |      |          |
| 9/2/2003  |                                                      |                                                         |      |          |
| 9/3/2003  |                                                      |                                                         |      |          |
| 9/4/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 9/5/2003  | 0.00                                                 |                                                         | 600  | JCN      |
| 9/6/2003  | 0.00                                                 |                                                         | 1300 | JCN      |
| 9/7/2003  | 0.00                                                 |                                                         | 900  | JCN      |
| 9/8/2003  | 0.00                                                 |                                                         | 700  | JCN      |
| 9/9/2003  |                                                      |                                                         |      |          |
| 9/10/2003 |                                                      |                                                         |      |          |
| 9/11/2003 |                                                      |                                                         |      |          |
| 9/12/2003 |                                                      |                                                         |      |          |
| 9/13/2003 | 0.00                                                 |                                                         | 100  | JCN      |
| 9/14/2003 | 0.00                                                 |                                                         | 1400 | JCN      |
| 9/15/2003 | 0.45                                                 |                                                         | 600  | JCN      |
| 9/16/2003 | 0.00                                                 |                                                         | 1400 | JCN      |
| 9/17/2003 | 0.00                                                 |                                                         | 630  | JCN      |
| 9/18/2003 |                                                      |                                                         |      |          |
| 9/19/2003 |                                                      |                                                         |      |          |
| 9/20/2003 |                                                      |                                                         |      |          |
| 9/21/2003 |                                                      |                                                         |      |          |
| 9/22/2003 |                                                      |                                                         |      |          |
| 9/23/2003 | 0.00                                                 |                                                         | 900  | JCN      |
| 9/24/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 9/25/2003 | 0.00                                                 |                                                         | 700  | JCN      |
| 9/26/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 9/27/2003 | 0.00                                                 |                                                         | 900  | JCN      |
| 9/28/2003 | 0.00                                                 |                                                         | 1000 | JCN      |
| 9/29/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 9/30/2003 | 0.00                                                 |                                                         | 600  | JCN      |
|           |                                                      |                                                         |      |          |
| Total     | 0.45                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 10/1/2003  |                                                      |                                                         |      |          |
| 10/2/2003  |                                                      |                                                         |      |          |
| 10/3/2003  |                                                      |                                                         |      |          |
| 10/4/2003  |                                                      |                                                         |      |          |
| 10/5/2003  |                                                      |                                                         |      |          |
| 10/6/2003  |                                                      |                                                         |      |          |
| 10/7/2003  |                                                      |                                                         |      |          |
| 10/8/2003  |                                                      |                                                         |      |          |
| 10/9/2003  |                                                      |                                                         |      |          |
| 10/10/2003 |                                                      |                                                         |      |          |
| 10/11/2003 |                                                      |                                                         |      |          |
| 10/12/2003 |                                                      |                                                         |      |          |
| 10/13/2003 |                                                      |                                                         |      |          |
| 10/14/2003 |                                                      |                                                         |      |          |
| 10/15/2003 |                                                      |                                                         |      |          |
| 10/16/2003 |                                                      |                                                         |      |          |
| 10/17/2003 |                                                      |                                                         |      |          |
| 10/18/2003 |                                                      |                                                         |      |          |
| 10/19/2003 |                                                      |                                                         |      |          |
| 10/20/2003 |                                                      |                                                         |      |          |
| 10/21/2003 |                                                      |                                                         |      |          |
| 10/22/2003 |                                                      |                                                         |      |          |
| 10/23/2003 |                                                      |                                                         |      |          |
| 10/24/2003 |                                                      |                                                         |      |          |
| 10/25/2003 |                                                      |                                                         |      |          |
| 10/26/2003 |                                                      |                                                         |      |          |
| 10/27/2003 |                                                      |                                                         |      |          |
| 10/28/2003 |                                                      |                                                         |      |          |
| 10/29/2003 |                                                      |                                                         |      |          |
| 10/30/2003 |                                                      |                                                         |      |          |
| 10/31/2003 |                                                      |                                                         |      |          |
| Total      | 0.00                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 11/1/2003  |                                                      |                                                         |      |          |
| 11/2/2003  |                                                      |                                                         |      | JCN      |
| 11/3/2003  |                                                      |                                                         |      | JCN      |
| 11/4/2003  |                                                      |                                                         |      | JCN      |
| 11/5/2003  |                                                      |                                                         |      |          |
| 11/6/2003  |                                                      |                                                         |      |          |
| 11/7/2003  |                                                      |                                                         |      |          |
| 11/8/2003  |                                                      |                                                         |      | JCN      |
| 11/9/2003  |                                                      |                                                         |      | JCN      |
| 11/10/2003 |                                                      |                                                         |      | JCN      |
| 11/11/2003 |                                                      |                                                         |      | JCN      |
| 11/12/2003 |                                                      |                                                         |      | JCN      |
| 11/13/2003 |                                                      |                                                         |      |          |
| 11/14/2003 |                                                      |                                                         |      |          |
| 11/15/2003 |                                                      |                                                         |      | JCN      |
| 11/16/2003 |                                                      |                                                         |      | JCN      |
| 11/17/2003 |                                                      |                                                         |      | JCN      |
| 11/18/2003 |                                                      |                                                         |      |          |
| 11/19/2003 |                                                      |                                                         |      |          |
| 11/20/2003 |                                                      |                                                         |      | JCN      |
| 11/21/2003 |                                                      |                                                         |      | JCN      |
| 11/22/2003 |                                                      |                                                         |      | JCN      |
| 11/23/2003 |                                                      |                                                         |      |          |
| 11/24/2003 |                                                      |                                                         |      |          |
| 11/25/2003 |                                                      |                                                         |      |          |
| 11/26/2003 |                                                      |                                                         |      |          |
| 11/27/2003 |                                                      |                                                         |      |          |
| 11/28/2003 |                                                      |                                                         |      |          |
| 11/29/2003 |                                                      |                                                         |      |          |
| 11/30/2003 |                                                      |                                                         |      |          |
| Total      | 0.00                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 12/1/2003  | 0.00                                                 |                                                         |      |          |
| 12/2/2003  | 0.10                                                 |                                                         | 1000 | JCN      |
| 12/3/2003  | 0.00                                                 |                                                         | 800  | JCN      |
| 12/4/2003  | 0.00                                                 |                                                         | 800  | JCN      |
| 12/5/2003  |                                                      |                                                         |      |          |
| 12/6/2003  | Trc                                                  |                                                         |      |          |
| 12/7/2003  | 0.00                                                 |                                                         |      |          |
| 12/8/2003  | 0.00                                                 |                                                         | 800  | JCN      |
| 12/9/2003  | 0.00                                                 |                                                         | 700  | JCN      |
| 12/10/2003 | Trc                                                  |                                                         | 900  | JCN      |
| 12/11/2003 | Trc                                                  |                                                         | 1000 | JCN      |
| 12/12/2003 | 0.00                                                 |                                                         | 800  | JCN      |
| 12/13/2003 |                                                      |                                                         |      |          |
| 12/14/2003 |                                                      |                                                         |      |          |
| 12/15/2003 | Trc                                                  |                                                         | 1300 | JCN      |
| 12/16/2003 | 0.00                                                 |                                                         | 600  | JCN      |
| 12/17/2003 | 0.00                                                 |                                                         | 400  | JCN      |
| 12/18/2003 | 0.00                                                 |                                                         |      |          |
| 12/19/2003 |                                                      |                                                         |      |          |
| 12/20/2003 | 0.00                                                 |                                                         | 900  | JCN      |
| 12/21/2003 | 0.00                                                 |                                                         | 1000 | JCN      |
| 12/22/2003 | 0.00                                                 |                                                         | 900  | JCN      |
| 12/23/2003 |                                                      |                                                         |      |          |
| 12/24/2003 |                                                      |                                                         |      |          |
| 12/25/2003 |                                                      |                                                         |      |          |
| 12/26/2003 |                                                      |                                                         |      |          |
| 12/27/2003 |                                                      |                                                         |      |          |
| 12/28/2003 |                                                      |                                                         |      |          |
| 12/29/2003 |                                                      |                                                         |      |          |
| 12/30/2003 |                                                      |                                                         |      |          |
| 12/31/2003 |                                                      |                                                         |      |          |
| Total      | 0.10                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time    | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|---------|----------|
| 1/1/2004  |                                                      |                                                         |         |          |
| 1/2/2004  | 0.30                                                 |                                                         |         | JCN      |
| 1/3/2004  |                                                      |                                                         |         |          |
| 1/4/2004  |                                                      |                                                         |         |          |
| 1/5/2004  | 0.00                                                 |                                                         | 7:00 AM | JCN      |
| 1/6/2004  | 0.00                                                 |                                                         | 7:00 AM | JCN      |
| 1/7/2004  | 0.00                                                 |                                                         | 6:00 AM | JCN      |
| 1/8/2004  | 0.00                                                 |                                                         | 6:00 AM | JCN      |
| 1/9/2004  | 0.00                                                 |                                                         | 6:00 AM | JCN      |
| 1/10/2004 |                                                      |                                                         |         |          |
| 1/11/2004 |                                                      |                                                         |         |          |
| 1/12/2004 |                                                      |                                                         |         |          |
| 1/13/2004 | 0.00                                                 |                                                         | 6:00 AM | JCN      |
| 1/14/2004 | 0.00                                                 |                                                         | 6:00 AM | JCN      |
| 1/15/2004 | 0.00                                                 |                                                         | 7:00 AM | JCN      |
| 1/16/2004 | 0.00                                                 |                                                         | 7:00 AM | JCN      |
| 1/17/2004 | 0.00                                                 |                                                         | 6:00 AM | JCN      |
| 1/18/2004 |                                                      |                                                         |         |          |
| 1/19/2004 | 0.00                                                 |                                                         | 8:00 AM | JCN      |
| 1/20/2004 | 0.00                                                 |                                                         | 9:00 AM | JCN      |
| 1/21/2004 | 0.00                                                 |                                                         | 8:00 AM | JCN      |
| 1/22/2004 | 0.00                                                 |                                                         | 7:00 AM | JCN      |
| 1/23/2004 | 0.00                                                 |                                                         | 9:00 AM | JCN      |
| 1/24/2004 |                                                      |                                                         |         |          |
| 1/25/2004 |                                                      |                                                         |         |          |
| 1/26/2004 | 0.01                                                 |                                                         | 3:00 PM | JCN      |
| 1/27/2004 | 0.00                                                 |                                                         | 8:00 AM | JCN      |
| 1/28/2004 | 0.00                                                 |                                                         | 8:00 AM | JCN      |
| 1/29/2004 | 0.00                                                 |                                                         | 8:00 AM | JCN      |
| 1/30/2004 |                                                      |                                                         |         |          |
| 1/31/2004 |                                                      |                                                         |         |          |
| Totals:   | 0.31                                                 |                                                         |         |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 2/1/2004  |                                                      |                                                         |          |          |
| 2/2/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 2/3/2004  | 0.00                                                 |                                                         | 1400     | JCN      |
| 2/4/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 2/5/2004  | 0.15                                                 |                                                         | 1200     | JCN      |
| 2/6/2004  | 0.00                                                 |                                                         | 12:00 AM | JCN      |
| 2/7/2004  |                                                      |                                                         |          |          |
| 2/8/2004  |                                                      |                                                         |          |          |
| 2/9/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 2/10/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 2/11/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 2/12/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 2/13/2004 |                                                      |                                                         |          |          |
| 2/14/2004 |                                                      |                                                         |          |          |
| 2/15/2004 |                                                      |                                                         |          |          |
| 2/16/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 2/17/2004 | 0.01                                                 |                                                         | 1100     | JCN      |
| 2/18/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 2/19/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 2/20/2004 | 0.00                                                 |                                                         | 1000     | JCN      |
| 2/21/2004 |                                                      |                                                         |          |          |
| 2/22/2004 |                                                      |                                                         |          |          |
| 2/23/2004 | 0.00                                                 |                                                         | 1400     | JCN      |
| 2/24/2004 | 0.00                                                 |                                                         | 1400     | JCN      |
| 2/25/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 2/26/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 2/27/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 2/28/2004 |                                                      |                                                         |          |          |
| 2/29/2004 |                                                      |                                                         |          |          |
| Totals:   | 0.16                                                 |                                                         |          |          |
|           |                                                      |                                                         |          |          |
|           |                                                      |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 3/1/2004  |                                                      |                                                         |      |          |
| 3/2/2004  | 0.20                                                 |                                                         | 800  | JCN      |
| 3/3/2004  | 0.05                                                 |                                                         | 1000 | JCN      |
| 3/4/2004  | 0.00                                                 |                                                         | 1000 | JCN      |
| 3/5/2004  | 0.00                                                 |                                                         | 1100 | JCN      |
| 3/6/2004  |                                                      |                                                         |      |          |
| 3/7/2004  |                                                      |                                                         |      |          |
| 3/8/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 3/9/2004  | 0.00                                                 |                                                         | 1100 | JCN      |
| 3/10/2004 | 0.03                                                 |                                                         | 1200 | JCN      |
| 3/11/2004 | 0.02                                                 |                                                         | 1200 | JCN      |
| 3/12/2004 |                                                      |                                                         |      |          |
| 3/13/2004 |                                                      |                                                         |      |          |
| 3/14/2004 |                                                      |                                                         |      |          |
| 3/15/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/16/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 3/17/2004 | 0.00                                                 |                                                         | 1400 | JCN      |
| 3/18/2004 | 0.00                                                 |                                                         | 1200 | JCN      |
| 3/19/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/20/2004 |                                                      |                                                         |      |          |
| 3/21/2004 |                                                      |                                                         |      |          |
| 3/22/2004 | 0.00                                                 |                                                         | 630  | JCN      |
| 3/23/2004 | 0.00                                                 |                                                         | 1300 | JCN      |
| 3/24/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 3/25/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 3/26/2004 | 0.00                                                 |                                                         | 1400 | JCN      |
| 3/27/2004 |                                                      |                                                         |      |          |
| 3/28/2004 |                                                      |                                                         |      |          |
| 3/29/2004 |                                                      |                                                         |      |          |
| 3/30/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 3/31/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| Totals:   | 0.30                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 4/1/2004  | 0.35                                                 |                                                         | 700  | JCN      |
| 4/2/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 4/3/2004  |                                                      |                                                         |      |          |
| 4/4/2004  |                                                      |                                                         |      |          |
| 4/5/2004  | 0.00                                                 |                                                         | 800  | JCN      |
| 4/6/2004  | 0.00                                                 |                                                         | 1400 | JCN      |
| 4/7/2004  | 0.00                                                 |                                                         | 1400 | JCN      |
| 4/8/2004  | 0.00                                                 |                                                         | 600  | JCN      |
| 4/9/2004  | 0.30                                                 |                                                         | 600  | JCN      |
| 4/10/2004 |                                                      |                                                         |      |          |
| 4/11/2004 |                                                      |                                                         |      |          |
| 4/12/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 4/13/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 4/14/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 4/15/2004 | 0.05                                                 |                                                         | 900  | JCN      |
| 4/16/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 4/17/2004 |                                                      |                                                         |      |          |
| 4/18/2004 |                                                      |                                                         |      |          |
| 4/19/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 4/20/2004 | 0.20                                                 |                                                         | 1400 | JCN      |
| 4/21/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 4/22/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 4/23/2004 |                                                      |                                                         |      |          |
| 4/24/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 4/25/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 4/26/2004 | 0.00                                                 |                                                         | 1400 | JCN      |
| 4/27/2004 | 0.35                                                 |                                                         | 2000 | JCN      |
| 4/28/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 4/29/2004 |                                                      |                                                         |      |          |
| 4/30/2004 |                                                      |                                                         |      |          |
| Totals:   | 1.25                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 5/1/2004  |                                                      |                                                         |      |          |
| 5/2/2004  |                                                      |                                                         |      |          |
| 5/3/2004  | 0.00                                                 |                                                         |      | JCN      |
| 5/4/2004  | 0.00                                                 |                                                         |      | JCN      |
| 5/5/2004  | 0.00                                                 |                                                         |      | JCN      |
| 5/6/2004  | 0.00                                                 |                                                         |      | JCN      |
| 5/7/2004  |                                                      |                                                         |      |          |
| 5/8/2004  |                                                      |                                                         |      |          |
| 5/9/2004  |                                                      |                                                         |      |          |
| 5/10/2004 | 0.00                                                 |                                                         |      | JCN      |
| 5/11/2004 | Trc                                                  |                                                         |      | JCN      |
| 5/12/2004 | Trc                                                  |                                                         |      | JCN      |
| 5/13/2004 | Trc                                                  |                                                         |      | JCN      |
| 5/14/2004 |                                                      |                                                         |      |          |
| 5/15/2004 |                                                      |                                                         |      |          |
| 5/16/2004 |                                                      |                                                         |      |          |
| 5/17/2004 |                                                      |                                                         |      |          |
| 5/18/2004 |                                                      |                                                         |      |          |
| 5/19/2004 |                                                      |                                                         |      |          |
| 5/20/2004 |                                                      |                                                         |      |          |
| 5/21/2004 |                                                      |                                                         |      |          |
| 5/22/2004 |                                                      |                                                         |      |          |
| 5/23/2004 |                                                      |                                                         |      |          |
| 5/24/2004 | 1.55                                                 |                                                         |      | JCN      |
| 5/25/2004 | 0.00                                                 |                                                         |      | JCN      |
| 5/26/2004 | 0.00                                                 |                                                         |      | JCN      |
| 5/27/2004 | 0.00                                                 |                                                         |      | JCN      |
| 5/28/2004 | 0.00                                                 |                                                         |      | JCN      |
| 5/29/2004 |                                                      |                                                         |      |          |
| 5/30/2004 |                                                      |                                                         |      |          |
| 5/31/2004 |                                                      |                                                         |      |          |
| Totals:   | 1.55                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 6/1/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 6/2/2004  | 0.00                                                 |                                                         | 900      | JCN      |
| 6/3/2004  | 0.00                                                 |                                                         | 1400     | JCN      |
| 6/4/2004  |                                                      |                                                         |          |          |
| 6/5/2004  |                                                      |                                                         |          |          |
| 6/6/2004  | 0.00                                                 |                                                         | 12:00 AM | JCN      |
| 6/7/2004  | Trc                                                  |                                                         | 1400     | JCN      |
| 6/8/2004  | 0.25                                                 |                                                         | 800      | JCN      |
| 6/9/2004  | Trc                                                  |                                                         | 800      | JCN      |
| 6/10/2004 | 0.05                                                 |                                                         | 630      | JCN      |
| 6/11/2004 | 0.50                                                 |                                                         | 600      | JCN      |
| 6/12/2004 |                                                      |                                                         |          |          |
| 6/13/2004 |                                                      |                                                         |          |          |
| 6/14/2004 | 0.00                                                 |                                                         | 630      | JCN      |
| 6/15/2004 | 0.00                                                 |                                                         | 600      | JCN      |
| 6/16/2004 | 0.00                                                 |                                                         | 600      | JCN      |
| 6/17/2004 | Trc                                                  |                                                         | 630      | JCN      |
| 6/18/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 6/19/2004 |                                                      |                                                         |          |          |
| 6/20/2004 |                                                      |                                                         |          |          |
| 6/21/2004 | Trc                                                  |                                                         | 600      | JCN      |
| 6/22/2004 | 0.00                                                 |                                                         | 630      | JCN      |
| 6/23/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 6/24/2004 | 0.00                                                 |                                                         | 1100     | JCN      |
| 6/25/2004 | 0.02                                                 |                                                         | 700      | JCN      |
| 6/26/2004 |                                                      |                                                         |          |          |
| 6/27/2004 | 0.25                                                 |                                                         | 700      | JCN      |
| 6/28/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 6/29/2004 | 0.00                                                 |                                                         | 600      | JCN      |
| 6/30/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| Total:    | 1.07                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 7/1/2004  | 0.00                                                 |                                                         | 800  | JCN      |
| 7/2/2004  |                                                      |                                                         |      |          |
| 7/3/2004  |                                                      |                                                         |      |          |
| 7/4/2004  |                                                      |                                                         |      |          |
| 7/5/2004  | 0.30                                                 |                                                         | 1000 | JCN      |
| 7/6/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 7/7/2004  | Trc                                                  |                                                         | 615  | JCN      |
| 7/8/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 7/9/2004  | 0.00                                                 |                                                         | 630  | JCN      |
| 7/10/2004 |                                                      |                                                         |      |          |
| 7/11/2004 |                                                      |                                                         |      |          |
| 7/12/2004 | 0.00                                                 |                                                         | 630  | JCN      |
| 7/13/2004 | 0.00                                                 |                                                         | 1000 | JCN      |
| 7/14/2004 | Trc                                                  |                                                         | 600  | JCN      |
| 7/15/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/16/2004 |                                                      |                                                         |      |          |
| 7/17/2004 |                                                      |                                                         |      |          |
| 7/18/2004 |                                                      |                                                         |      |          |
| 7/19/2004 | 0.01                                                 |                                                         | 600  | JCN      |
| 7/20/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/21/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/22/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/23/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/24/2004 |                                                      |                                                         |      |          |
| 7/25/2004 |                                                      |                                                         |      |          |
| 7/26/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/27/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/28/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/29/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/30/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/31/2004 |                                                      |                                                         |      |          |
| Total     | 0.31                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 8/1/2004  |                                                      |                                                         |      |          |
| 8/2/2004  | 0.95                                                 |                                                         | 600  | JCN      |
| 8/3/2004  | 0.25                                                 |                                                         | 600  | JCN      |
| 8/4/2004  | 0.10                                                 |                                                         | 600  | JCN      |
| 8/5/2004  | 0.00                                                 |                                                         | 1200 | JCN      |
| 8/6/2004  |                                                      |                                                         |      |          |
| 8/7/2004  |                                                      |                                                         |      |          |
| 8/8/2004  | 0.00                                                 |                                                         | 1200 | JCN      |
| 8/9/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 8/10/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/11/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/12/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/13/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/14/2004 |                                                      |                                                         |      |          |
| 8/15/2004 |                                                      |                                                         |      |          |
| 8/16/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/17/2004 | 0.02                                                 |                                                         | 1000 | JCN      |
| 8/18/2004 | Trc                                                  |                                                         | 600  | JCN      |
| 8/19/2004 |                                                      |                                                         |      |          |
| 8/20/2004 |                                                      |                                                         |      |          |
| 8/21/2004 |                                                      |                                                         |      |          |
| 8/22/2004 | 0.05                                                 |                                                         | 600  | JCN      |
| 8/23/2004 | 1.10                                                 |                                                         | 600  | JCN      |
| 8/24/2004 | 0.30                                                 |                                                         | 630  | JCN      |
| 8/25/2004 | 0.15                                                 |                                                         | 630  | JCN      |
| 8/26/2004 | 0.30                                                 |                                                         | 700  | JCN      |
| 8/27/2004 |                                                      |                                                         |      |          |
| 8/28/2004 |                                                      |                                                         |      |          |
| 8/29/2004 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/30/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/31/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| Total     | 3.22                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 9/1/2004  | Trc                                                  |                                                         | 700      | JCN      |
| 9/2/2004  | 0.00                                                 |                                                         | 700      | JCN      |
| 9/3/2004  | 0.00                                                 |                                                         | 700      | JCN      |
| 9/4/2004  | 0.00                                                 |                                                         | 900      | JCN      |
| 9/5/2004  | 0.00                                                 |                                                         | 12:00 AM | JCN      |
| 9/6/2004  | 0.00                                                 |                                                         | 1200     | JCN      |
| 9/7/2004  | 0.00                                                 |                                                         | 700      | JCN      |
| 9/8/2004  | 0.00                                                 |                                                         | 700      | JCN      |
| 9/9/2004  | 0.00                                                 |                                                         | 700      | JCN      |
| 9/10/2004 | 0.00                                                 |                                                         | 600      | JCN      |
| 9/11/2004 | 0.00                                                 |                                                         | 1400     | JCN      |
| 9/12/2004 | 0.23                                                 |                                                         |          |          |
| 9/13/2004 |                                                      |                                                         |          |          |
| 9/14/2004 |                                                      |                                                         |          |          |
| 9/15/2004 | Trc                                                  |                                                         | 1400     | JCN      |
| 9/16/2004 |                                                      |                                                         |          |          |
| 9/17/2004 | 0.00                                                 |                                                         | 700      | JCN      |
| 9/18/2004 | 0.20                                                 |                                                         | 1030     | JCN      |
| 9/19/2004 | 0.93                                                 |                                                         | 1800     | JCN      |
| 9/20/2004 | 0.11                                                 |                                                         | 800      | JCN      |
| 9/21/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 9/22/2004 | Trc                                                  |                                                         | 800      | JCN      |
| 9/23/2004 | Trc                                                  |                                                         | 900      | JCN      |
| 9/24/2004 | 0.00                                                 |                                                         | 930      | JCN      |
| 9/25/2004 | 0.00                                                 |                                                         | 1030     | JCN      |
| 9/26/2004 | 0.00                                                 |                                                         | 1530     | JCN      |
| 9/27/2004 |                                                      |                                                         |          |          |
| 9/28/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 9/29/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 9/30/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| Total     | 1.47                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 10/1/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 10/2/2004  | 0.00                                                 |                                                         | 900  | JCN      |
| 10/3/2004  | 0.00                                                 |                                                         | 1200 | JCN      |
| 10/4/2004  |                                                      |                                                         |      |          |
| 10/5/2004  | 0.00                                                 |                                                         | 1200 | JCN      |
| 10/6/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 10/7/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 10/8/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 10/9/2004  | 0.00                                                 |                                                         | 900  | JCN      |
| 10/10/2004 | 0.00                                                 |                                                         | 1000 | JCN      |
| 10/11/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 10/12/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 10/13/2004 | 0.00                                                 |                                                         | 700  | JCN      |
| 10/14/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 10/15/2004 | 0.07                                                 |                                                         | 1030 | JCN      |
| 10/16/2004 | 0.03                                                 |                                                         | 1100 | JCN      |
| 10/17/2004 | 0.05                                                 |                                                         | 1000 | JCN      |
| 10/18/2004 | 0.02                                                 |                                                         | 900  | JCN      |
| 10/19/2004 | Trc                                                  |                                                         | 1200 | JCN      |
| 10/20/2004 | Trc                                                  |                                                         | 1000 | JCN      |
| 10/21/2004 |                                                      |                                                         |      |          |
| 10/22/2004 |                                                      |                                                         |      |          |
| 10/23/2004 | Trc                                                  |                                                         | 1000 | JCN      |
| 10/24/2004 | Trc                                                  |                                                         | 1000 | JCN      |
| 10/25/2004 | Trc                                                  |                                                         | 1100 | JCN      |
| 10/26/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 10/27/2004 | 0.00                                                 |                                                         | 1000 | JCN      |
| 10/28/2004 | 0.00                                                 |                                                         | 1000 | JCN      |
| 10/29/2004 | 0.00                                                 |                                                         | 1000 | JCN      |
| 10/30/2004 | 0.00                                                 |                                                         | 1100 | JCN      |
| 10/31/2004 | 0.00                                                 |                                                         | 1100 | JCN      |
| Total      | 0.17                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 11/1/2004  |                                                      |                                                         |      | JCN      |
| 11/2/2004  | 0.00                                                 |                                                         | 1000 | JCN      |
| 11/3/2004  | 0.00                                                 |                                                         | 800  | JCN      |
| 11/4/2004  | 0.30                                                 |                                                         | 800  | JCN      |
| 11/5/2004  | 0.00                                                 |                                                         | 1200 | JCN      |
| 11/6/2004  | 0.00                                                 |                                                         | 1500 | JCN      |
| 11/7/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 11/8/2004  | 0.00                                                 |                                                         | 1400 | JCN      |
| 11/9/2004  | 0.00                                                 |                                                         | 700  | JCN      |
| 11/10/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/11/2004 | 0.00                                                 |                                                         | 730  | JCN      |
| 11/12/2004 | 0.00                                                 |                                                         | 730  | JCN      |
| 11/13/2004 | 0.00                                                 |                                                         | 730  | JCN      |
| 11/14/2004 | 0.00                                                 |                                                         | 1000 | JCN      |
| 11/15/2004 | 0.00                                                 |                                                         | 1400 | JCN      |
| 11/16/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/17/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/18/2004 | Trc                                                  |                                                         | 900  | JCN      |
| 11/19/2004 | 0.00                                                 |                                                         | 1100 | JCN      |
| 11/20/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/21/2004 | 0.00                                                 |                                                         | 900  | JCN      |
| 11/22/2004 | Trc                                                  |                                                         | 1000 | JCN      |
| 11/23/2004 |                                                      |                                                         |      |          |
| 11/24/2004 |                                                      |                                                         |      |          |
| 11/25/2004 |                                                      |                                                         |      |          |
| 11/26/2004 |                                                      |                                                         |      |          |
| 11/27/2004 |                                                      |                                                         |      |          |
| 11/28/2004 |                                                      |                                                         |      |          |
| 11/29/2004 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/30/2004 | 0.00                                                 |                                                         | 900  | JCN      |
|            |                                                      |                                                         |      |          |
| Total      | 0.30                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 12/1/2004  | 0.00                                                 |                                                         | 900      | JCN      |
| 12/2/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 12/3/2004  | 0.00                                                 |                                                         | 900      | JCN      |
| 12/4/2004  |                                                      |                                                         |          |          |
| 12/5/2004  | 0.00                                                 |                                                         | 12:00 AM | JCN      |
| 12/6/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 12/7/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 12/8/2004  | 0.00                                                 |                                                         | 1400     | JCN      |
| 12/9/2004  | 0.00                                                 |                                                         | 800      | JCN      |
| 12/10/2004 |                                                      |                                                         |          |          |
| 12/11/2004 | 0.00                                                 |                                                         | 1000     | JCN      |
| 12/12/2004 | 0.00                                                 |                                                         | noon     | JCN      |
| 12/13/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 12/14/2004 | 0.00                                                 |                                                         | 1100     | JCN      |
| 12/15/2004 | 0.00                                                 |                                                         | 1000     | JCN      |
| 12/16/2004 | 0.00                                                 |                                                         | 1000     | JCN      |
| 12/17/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 12/18/2004 |                                                      |                                                         |          |          |
| 12/19/2004 | 0.00                                                 |                                                         | 800      | JCN      |
| 12/20/2004 | 0.00                                                 |                                                         | 900      | JCN      |
| 12/21/2004 | 0.00                                                 |                                                         | 1000     | JCN      |
| 12/22/2004 |                                                      |                                                         |          |          |
| 12/23/2004 |                                                      |                                                         |          |          |
| 12/24/2004 |                                                      |                                                         |          |          |
| 12/25/2004 |                                                      |                                                         |          |          |
| 12/26/2004 |                                                      |                                                         |          |          |
| 12/27/2004 |                                                      |                                                         |          |          |
| 12/28/2004 |                                                      |                                                         |          |          |
| 12/29/2004 |                                                      |                                                         |          |          |
| 12/30/2004 |                                                      |                                                         |          |          |
| 12/31/2004 |                                                      |                                                         |          |          |
| Total      | 0.00                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 1/1/2005  |                                                      |                                                         |      |          |
| 1/2/2005  |                                                      |                                                         |      |          |
| 1/3/2005  |                                                      |                                                         |      |          |
| 1/4/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 1/5/2005  | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/6/2005  | 0.10                                                 |                                                         | 1000 | JCN      |
| 1/7/2005  | 0.02                                                 |                                                         | 0800 | JCN      |
| 1/8/2005  | 0.00                                                 |                                                         | noon | JCN      |
| 1/9/2005  | 0.00                                                 |                                                         | noon | JCN      |
| 1/10/2005 | 0.00                                                 |                                                         | noon | JCN      |
| 1/11/2005 | 0.00                                                 |                                                         | 1400 | JCN      |
| 1/12/2005 | 0.05                                                 |                                                         | 900  | JCN      |
| 1/13/2005 | 0.02                                                 |                                                         | 1000 | JCN      |
| 1/14/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/15/2005 | 0.00                                                 |                                                         | 1400 | JCN      |
| 1/16/2005 | 0.00                                                 |                                                         | 1400 | JCN      |
| 1/17/2005 | 0.00                                                 |                                                         | 0800 | JCN      |
| 1/18/2005 | 0.10                                                 |                                                         | 0800 | JCN      |
| 1/19/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/20/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/21/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/22/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 1/23/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 1/24/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/25/2005 | 0.00                                                 |                                                         | noon | JCN      |
| 1/26/2005 | 0.00                                                 |                                                         | noon | JCN      |
| 1/27/2005 | 0.00                                                 |                                                         | noon | JCN      |
| 1/28/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/29/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 1/30/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 1/31/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| Totals:   | 0.29                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 2/1/2005  | 0.00                                                 |                                                         | 1000 | JCN      |
| 2/2/2005  |                                                      |                                                         |      |          |
| 2/3/2005  |                                                      |                                                         |      |          |
| 2/4/2005  |                                                      |                                                         |      |          |
| 2/5/2005  | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/6/2005  | 0.00                                                 |                                                         | 1000 | JCN      |
| 2/7/2005  | 0.00                                                 |                                                         | 1100 | JCN      |
| 2/8/2005  | 0.00                                                 |                                                         | noon | JCN      |
| 2/9/2005  | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/10/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/11/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/12/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/13/2005 | 0.02                                                 |                                                         | 1000 | JCN      |
| 2/14/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 2/15/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/16/2005 | 0.00                                                 |                                                         | noon | JCN      |
| 2/17/2005 | 0.00                                                 |                                                         | 1100 | JCN      |
| 2/18/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/19/2005 |                                                      |                                                         |      |          |
| 2/20/2005 |                                                      |                                                         |      |          |
| 2/21/2005 |                                                      |                                                         |      |          |
| 2/22/2005 | 0.00                                                 |                                                         | 0900 | JCN      |
| 2/23/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 2/24/2005 | 0.00                                                 |                                                         | 1100 | JCN      |
| 2/25/2005 | 0.00                                                 |                                                         | noon | JCN      |
| 2/26/2005 | 0.00                                                 |                                                         | 0800 | JCN      |
| 2/27/2005 | 0.00                                                 |                                                         | 1300 | JCN      |
| 2/28/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| Totals:   | 0.02                                                 |                                                         |      |          |
|           |                                                      |                                                         |      |          |
|           |                                                      |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 3/1/2005  | 0.00                                                 |                                                         | 1100 | JCN      |
| 3/2/2005  | 0.00                                                 |                                                         | 900  | JCN      |
| 3/3/2005  | 0.00                                                 |                                                         | 900  | JCN      |
| 3/4/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 3/5/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 3/6/2005  | 0.00                                                 |                                                         | noon | JCN      |
| 3/7/2005  | Trc                                                  |                                                         | 900  | JCN      |
| 3/8/2005  | 0.00                                                 |                                                         | 1000 | JCN      |
| 3/9/2005  | 0.00                                                 |                                                         | 1000 | JCN      |
| 3/10/2005 |                                                      |                                                         |      |          |
| 3/11/2005 |                                                      |                                                         |      |          |
| 3/12/2005 |                                                      |                                                         |      |          |
| 3/13/2005 |                                                      |                                                         |      |          |
| 3/14/2005 | 0.03                                                 |                                                         | 900  | JCN      |
| 3/15/2005 | 0.08                                                 |                                                         | 1300 | JCN      |
| 3/16/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/17/2005 | 0.04                                                 |                                                         | 800  | JCN      |
| 3/18/2005 | 0.02                                                 |                                                         | 800  | JCN      |
| 3/19/2005 | 0.00                                                 |                                                         | 1700 | JCN      |
| 3/20/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/21/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 3/22/2005 | 0.03                                                 |                                                         | 800  | JCN      |
| 3/23/2005 | 0.03                                                 |                                                         | 900  | JCN      |
| 3/24/2005 | 0.02                                                 |                                                         | 800  | JCN      |
| 3/25/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/26/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/27/2005 | 0.00                                                 |                                                         | 900  | JCN      |
| 3/28/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/29/2005 | 0.00                                                 |                                                         | 1300 | JCN      |
| 3/30/2005 | 0.00                                                 |                                                         | 1100 | JCN      |
| 3/31/2005 | 0.00                                                 |                                                         | 900  | JCN      |
| Totals:   | 0.25                                                 |                                                         |      |          |

**ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST**

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 4/1/2005  | 0.00                                                 | 800                                                     |      | JCN      |
| 4/2/2005  | 0.00                                                 | 800                                                     |      | JCN      |
| 4/3/2005  | 0.00                                                 | 1300                                                    |      | JCN      |
| 4/4/2005  | Trc                                                  | 1100                                                    |      | JCN      |
| 4/5/2005  | 0.00                                                 | 800                                                     |      | JCN      |
| 4/6/2005  | 0.00                                                 | 800                                                     |      | JCN      |
| 4/7/2005  | 0.00                                                 | 1300                                                    |      | JCN      |
| 4/8/2005  | 0.00                                                 | 800                                                     |      | JCN      |
| 4/9/2005  | 0.00                                                 | 800                                                     |      | JCN      |
| 4/10/2005 | 0.00                                                 | 800                                                     |      | JCN      |
| 4/11/2005 | 0.00                                                 | 1100                                                    |      | JCN      |
| 4/12/2005 | 0.00                                                 | 800                                                     |      | JCN      |
| 4/13/2005 |                                                      |                                                         |      |          |
| 4/14/2005 |                                                      |                                                         |      |          |
| 4/15/2005 |                                                      |                                                         |      |          |
| 4/16/2005 |                                                      |                                                         |      |          |
| 4/17/2005 |                                                      |                                                         |      |          |
| 4/18/2005 |                                                      |                                                         |      |          |
| 4/19/2005 | 0.40                                                 | 700                                                     |      | JCN      |
| 4/20/2005 | 0.20                                                 | 800                                                     |      | JCN      |
| 4/21/2005 | 0.03                                                 | 1200                                                    |      | JCN      |
| 4/22/2005 | 0.00                                                 | 800                                                     |      | JCN      |
| 4/23/2005 |                                                      |                                                         |      |          |
| 4/24/2005 |                                                      |                                                         |      |          |
| 4/25/2005 | 0.00                                                 | 800                                                     |      | JCN      |
| 4/26/2005 | Trc                                                  | 800                                                     |      | JCN      |
| 4/27/2005 | 0.13                                                 | 800                                                     |      | JCN      |
| 4/28/2005 | 0.00                                                 | 800                                                     |      | JCN      |
| 4/29/2005 | 0.00                                                 | 800                                                     |      | JCN      |
| 4/30/2005 |                                                      |                                                         |      |          |
| Totals:   | 0.76                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 5/1/2005  | 0.00                                                 |                                                         | 1100 | JCN      |
| 5/2/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 5/3/2005  | 0.00                                                 |                                                         | 1200 | JCN      |
| 5/4/2005  | 0.03                                                 |                                                         | 1100 | JCN      |
| 5/5/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 5/6/2005  |                                                      |                                                         |      |          |
| 5/7/2005  |                                                      |                                                         |      |          |
| 5/8/2005  |                                                      |                                                         |      |          |
| 5/9/2005  | 0.03                                                 |                                                         | 730  | JCN      |
| 5/10/2005 | 0.81                                                 |                                                         | 700  | JCN      |
| 5/11/2005 | 0.00                                                 |                                                         | 1100 | JCN      |
| 5/12/2005 | 0.00                                                 |                                                         | 1100 | JCN      |
| 5/13/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 5/14/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 5/15/2005 |                                                      |                                                         |      |          |
| 5/16/2005 | 0.02                                                 |                                                         | 700  | JCN      |
| 5/17/2005 | 0.31                                                 |                                                         | 1100 | JCN      |
| 5/18/2005 | 0.33                                                 |                                                         | 800  | JCN      |
| 5/19/2005 | Trc                                                  |                                                         | 1100 | JCN      |
| 5/20/2005 | Trc                                                  |                                                         | 1500 | JCN      |
| 5/21/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 5/22/2005 |                                                      |                                                         |      |          |
| 5/23/2005 | 0.00                                                 |                                                         | 630  | JCN      |
| 5/24/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 5/25/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 5/26/2005 | Trc                                                  |                                                         | 800  | JCN      |
| 5/27/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 5/28/2005 |                                                      |                                                         |      |          |
| 5/29/2005 |                                                      |                                                         |      |          |
| 5/30/2005 |                                                      |                                                         |      |          |
| 5/31/2005 | 0.02                                                 |                                                         | 800  | JCN      |
| Totals:   | 1.55                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 6/1/2005  | 1.40                                                 |                                                         | 600  | JCN      |
| 6/2/2005  | 0.40                                                 |                                                         | 600  | JCN      |
| 6/3/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 6/4/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 6/5/2005  |                                                      |                                                         |      |          |
| 6/6/2005  | 0.20                                                 |                                                         | 0530 | JCN      |
| 6/7/2005  | 0.00                                                 |                                                         | 600  | JCN      |
| 6/8/2005  | 0.00                                                 |                                                         | 830  | JCN      |
| 6/9/2005  | 0.00                                                 |                                                         | 900  | JCN      |
| 6/10/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 6/11/2005 |                                                      |                                                         |      |          |
| 6/12/2005 |                                                      |                                                         |      |          |
| 6/13/2005 | 0.85                                                 |                                                         | 615  | JCN      |
| 6/14/2005 | 0.10                                                 |                                                         | 600  | JCN      |
| 6/15/2005 | Trc                                                  |                                                         | 600  | JCN      |
| 6/16/2005 | 0.25                                                 |                                                         | 600  | JCN      |
| 6/17/2005 | 0.05                                                 |                                                         | 700  | JCN      |
| 6/18/2005 |                                                      |                                                         |      |          |
| 6/19/2005 |                                                      |                                                         |      |          |
| 6/20/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 6/21/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 6/22/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 6/23/2005 | 0.20                                                 |                                                         | 730  | JCN      |
| 6/24/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 6/25/2005 |                                                      |                                                         |      |          |
| 6/26/2005 | 0.10                                                 |                                                         | 1000 | JCN      |
| 6/27/2005 | 0.18                                                 |                                                         | 830  | JCN      |
| 6/28/2005 | 0.07                                                 |                                                         | 700  | JCN      |
| 6/29/2005 | 0.20                                                 |                                                         | 600  | JCN      |
| 6/30/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| Total:    | 4.00                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 7/1/2005  |                                                      |                                                         |      | JCN      |
| 7/2/2005  |                                                      |                                                         |      |          |
| 7/3/2005  |                                                      |                                                         |      |          |
| 7/4/2005  |                                                      |                                                         |      |          |
| 7/5/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 7/6/2005  | 0.00                                                 |                                                         | 1200 | JCN      |
| 7/7/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 7/8/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 7/9/2005  | 0.10                                                 |                                                         | 1300 | JCN      |
| 7/10/2005 |                                                      |                                                         |      |          |
| 7/11/2005 | 0.10                                                 |                                                         | 1400 | JCN      |
| 7/12/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/13/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/14/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/15/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/16/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/17/2005 |                                                      |                                                         |      |          |
| 7/18/2005 | 0.00                                                 |                                                         | 900  | JCN      |
| 7/19/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/20/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/21/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/22/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/23/2005 |                                                      |                                                         |      |          |
| 7/24/2005 | 0.02                                                 |                                                         | 630  | JCN      |
| 7/25/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/26/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/27/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 7/28/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 7/29/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/30/2005 |                                                      |                                                         |      |          |
| 7/31/2005 |                                                      |                                                         |      |          |
| Total     | 0.22                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 8/1/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 8/2/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 8/3/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/4/2005  | 0.00                                                 |                                                         | 600  | JCN      |
| 8/5/2005  | 0.00                                                 |                                                         | 1200 | JCN      |
| 8/6/2005  | 0.00                                                 |                                                         | 1230 | JCN      |
| 8/7/2005  |                                                      |                                                         |      |          |
| 8/8/2005  | 0.00                                                 |                                                         | 1200 | JCN      |
| 8/9/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 8/10/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/11/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/12/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/13/2005 |                                                      |                                                         |      |          |
| 8/14/2005 |                                                      |                                                         |      |          |
| 8/15/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/16/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/17/2005 |                                                      |                                                         |      |          |
| 8/18/2005 |                                                      |                                                         |      |          |
| 8/19/2005 |                                                      |                                                         |      |          |
| 8/20/2005 |                                                      |                                                         |      |          |
| 8/21/2005 |                                                      |                                                         |      |          |
| 8/22/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/23/2005 | Trc                                                  |                                                         | 700  | JCN      |
| 8/24/2005 | 0.00                                                 |                                                         | 630  | JCN      |
| 8/25/2005 | 0.00                                                 |                                                         | 630  | JCN      |
| 8/26/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/27/2005 |                                                      |                                                         |      |          |
| 8/28/2005 |                                                      |                                                         |      |          |
| 8/29/2005 | 0.00                                                 |                                                         | 600  | JCN      |
| 8/30/2005 | 0.06                                                 |                                                         | 700  | JCN      |
| 8/31/2005 | 0.10                                                 |                                                         | 800  | JCN      |
| Total     | 0.16                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 9/1/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 9/2/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 9/3/2005  |                                                      |                                                         |      |          |
| 9/4/2005  |                                                      |                                                         |      |          |
| 9/5/2005  |                                                      |                                                         |      |          |
| 9/6/2005  | 0.00                                                 |                                                         | 1400 | JCN      |
| 9/7/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 9/8/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 9/9/2005  | 0.00                                                 |                                                         | noon | JCN      |
| 9/10/2005 |                                                      |                                                         |      |          |
| 9/11/2005 |                                                      |                                                         |      |          |
| 9/12/2005 | 0.04                                                 |                                                         | 800  | JCN      |
| 9/13/2005 | Trc                                                  |                                                         | 1030 | JCN      |
| 9/14/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 9/15/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 9/16/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 9/17/2005 |                                                      |                                                         |      |          |
| 9/18/2005 |                                                      |                                                         |      |          |
| 9/19/2005 | 0.15                                                 |                                                         | 700  | JCN      |
| 9/20/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 9/21/2005 | 0.00                                                 |                                                         | 900  | JCN      |
| 9/22/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 9/23/2005 | Trc                                                  |                                                         | 800  | JCN      |
| 9/24/2005 |                                                      |                                                         |      |          |
| 9/25/2005 |                                                      |                                                         |      |          |
| 9/26/2005 | 0.30                                                 |                                                         | 700  | JCN      |
| 9/27/2005 | 0.00                                                 |                                                         | 700  | JCN      |
| 9/28/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 9/29/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 9/30/2005 | 0.00                                                 |                                                         | 800  | JCN      |
|           |                                                      |                                                         |      |          |
| Total     | 0.49                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 10/1/2005  |                                                      |                                                         |          |          |
| 10/2/2005  |                                                      |                                                         |          |          |
| 10/3/2005  | 0.30                                                 |                                                         | 1300     | JCN      |
| 10/4/2005  | 0.25                                                 |                                                         | 800      | JCN      |
| 10/5/2005  | 0.00                                                 |                                                         | 12:00 AM | JCN      |
| 10/6/2005  | 0.00                                                 |                                                         | noon     | JCN      |
| 10/7/2005  | 0.00                                                 |                                                         | noon     | JCN      |
| 10/8/2005  |                                                      |                                                         |          |          |
| 10/9/2005  |                                                      |                                                         |          |          |
| 10/10/2005 | 0.00                                                 |                                                         | 1000     | JCN      |
| 10/11/2005 | 0.00                                                 |                                                         | 800      | JCN      |
| 10/12/2005 | 0.00                                                 |                                                         | 1400     | JCN      |
| 10/13/2005 | 0.00                                                 |                                                         | noon     | JCN      |
| 10/14/2005 | 0.00                                                 |                                                         | 1300     | JCN      |
| 10/15/2005 |                                                      |                                                         |          |          |
| 10/16/2005 |                                                      |                                                         |          |          |
| 10/17/2005 | 0.00                                                 |                                                         | 800      | JCN      |
| 10/18/2005 | 0.00                                                 |                                                         | 800      | JCN      |
| 10/19/2005 | 0.00                                                 |                                                         | 800      | JCN      |
| 10/20/2005 | 0.03                                                 |                                                         | 700      | JCN      |
| 10/21/2005 | 0.00                                                 |                                                         | 800      | JCN      |
| 10/22/2005 |                                                      |                                                         |          |          |
| 10/23/2005 |                                                      |                                                         |          |          |
| 10/24/2005 | 0.00                                                 |                                                         | 1400     | JCN      |
| 10/25/2005 | 0.00                                                 |                                                         | 1400     | JCN      |
| 10/26/2005 | 0.00                                                 |                                                         | 1400     | JCN      |
| 10/27/2005 | 0.03                                                 |                                                         | 1100     | JCN      |
| 10/28/2005 | 0.05                                                 |                                                         | 900      | JCN      |
| 10/29/2005 |                                                      |                                                         |          |          |
| 10/30/2005 |                                                      |                                                         |          |          |
| 10/31/2005 | 0.00                                                 |                                                         | 1100     | JCN      |
| Total      | 0.66                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 11/1/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 11/2/2005  | 0.30                                                 |                                                         | 700  | JCN      |
| 11/3/2005  | 0.00                                                 |                                                         | 800  | JCN      |
| 11/4/2005  | 0.00                                                 |                                                         | 700  | JCN      |
| 11/5/2005  |                                                      |                                                         |      |          |
| 11/6/2005  |                                                      |                                                         |      |          |
| 11/7/2005  |                                                      |                                                         |      |          |
| 11/8/2005  | 0.10                                                 |                                                         | 800  | JCN      |
| 11/9/2005  | 0.00                                                 |                                                         | 900  | JCN      |
| 11/10/2005 | 0.00                                                 |                                                         | 1500 | JCN      |
| 11/11/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 11/12/2005 |                                                      |                                                         |      |          |
| 11/13/2005 |                                                      |                                                         |      |          |
| 11/14/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/15/2005 | 0.00                                                 |                                                         | 1200 | JCN      |
| 11/16/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/17/2005 | 0.00                                                 |                                                         | 800  | JCN      |
| 11/18/2005 | 0.00                                                 |                                                         | 900  | JCN      |
| 11/19/2005 |                                                      |                                                         |      |          |
| 11/20/2005 |                                                      |                                                         |      |          |
| 11/21/2005 |                                                      |                                                         |      |          |
| 11/22/2005 | 0.00                                                 |                                                         | 1000 | JCN      |
| 11/23/2005 |                                                      |                                                         |      |          |
| 11/24/2005 |                                                      |                                                         |      |          |
| 11/25/2005 |                                                      |                                                         |      |          |
| 11/26/2005 |                                                      |                                                         |      |          |
| 11/27/2005 |                                                      |                                                         |      |          |
| 11/28/2005 | 0.20                                                 |                                                         | 1200 | JCN      |
| 11/29/2005 | 0.00                                                 |                                                         | 1200 | JCN      |
| 11/30/2005 | 0.10                                                 |                                                         | 1200 | JCN      |
|            |                                                      |                                                         |      |          |
| Total      | 0.70                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|------------|------------------------------------------|---------------------------------------------------------|------|----------|
| 12/1/2005  | 0.15                                     |                                                         | 800  | JCN      |
| 12/2/2005  | 0.20                                     |                                                         | 900  | JCN      |
| 12/3/2005  |                                          |                                                         |      |          |
| 12/4/2005  |                                          |                                                         |      |          |
| 12/5/2005  | 0.03                                     |                                                         | 0900 | JCN      |
| 12/6/2005  | 0.02                                     |                                                         | 1000 | JCN      |
| 12/7/2005  | 0.00                                     |                                                         | 1200 | JCN      |
| 12/8/2005  | 0.00                                     |                                                         | 900  | JCN      |
| 12/9/2005  | 0.00                                     |                                                         | 1100 | JCN      |
| 12/10/2005 |                                          |                                                         |      |          |
| 12/11/2005 | 0.00                                     |                                                         | 1000 | JCN      |
| 12/12/2005 | 0.00                                     |                                                         | 1000 | JCN      |
| 12/13/2005 | 0.00                                     |                                                         | 900  | JCN      |
| 12/14/2005 | 0.00                                     |                                                         | 1200 | JCN      |
| 12/15/2005 | 0.00                                     |                                                         | 1200 | JCN      |
| 12/16/2005 | 0.00                                     |                                                         | 1200 | JCN      |
| 12/17/2005 |                                          |                                                         |      |          |
| 12/18/2005 | 0.00                                     |                                                         | 1000 | JCN      |
| 12/19/2005 | 0.00                                     |                                                         | 1500 | JCN      |
| 12/20/2005 |                                          |                                                         |      |          |
| 12/21/2005 |                                          |                                                         |      |          |
| 12/22/2005 |                                          |                                                         |      |          |
| 12/23/2005 |                                          |                                                         |      |          |
| 12/24/2005 |                                          |                                                         |      |          |
| 12/25/2005 |                                          |                                                         |      |          |
| 12/26/2005 |                                          |                                                         |      |          |
| 12/27/2005 | 0.00                                     |                                                         | 1000 | JCN      |
| 12/28/2005 |                                          |                                                         |      |          |
| 12/29/2005 | 0.30                                     |                                                         | 1000 | JCN      |
| 12/30/2005 |                                          |                                                         |      |          |
| 12/31/2005 |                                          |                                                         |      |          |
| Total      | 0.70                                     |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 1/1/2006  |                                                      |                                                         |      |          |
| 1/2/2006  |                                                      |                                                         |      |          |
| 1/3/2006  | 0.00                                                 |                                                         | 1000 |          |
| 1/4/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 1/5/2006  | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/6/2006  | 0.00                                                 |                                                         | 600  | JCN      |
| 1/7/2006  |                                                      |                                                         |      | JCN      |
| 1/8/2006  |                                                      |                                                         |      | JCN      |
| 1/9/2006  | 0.00                                                 |                                                         | 1300 | JCN      |
| 1/10/2006 | 0.00                                                 |                                                         | noon | JCN      |
| 1/11/2006 | 0.10                                                 |                                                         | 900  | JCN      |
| 1/12/2006 | 0.00                                                 |                                                         | 1100 | JCN      |
| 1/13/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 1/14/2006 |                                                      |                                                         |      | JCN      |
| 1/15/2006 |                                                      |                                                         |      | JCN      |
| 1/16/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 1/17/2006 | 0.00                                                 |                                                         | 930  | JCN      |
| 1/18/2006 | Trc                                                  |                                                         | 800  | JCN      |
| 1/19/2006 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/20/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 1/21/2006 |                                                      |                                                         |      | JCN      |
| 1/22/2006 |                                                      |                                                         |      | JCN      |
| 1/23/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 1/24/2006 | 0.00                                                 |                                                         | 1000 | JCN      |
| 1/25/2006 | 0.00                                                 |                                                         | noon | JCN      |
| 1/26/2006 | 0.00                                                 |                                                         | noon | JCN      |
| 1/27/2006 | 0.00                                                 |                                                         | noon | JCN      |
| 1/28/2006 |                                                      |                                                         |      | JCN      |
| 1/29/2006 |                                                      |                                                         |      | JCN      |
| 1/30/2006 | 0.00                                                 |                                                         | 830  | JCN      |
| 1/31/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| Totals:   | 0.10                                                 |                                                         |      |          |

**ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST**

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 2/1/2006  | 0.00                                                 |                                                         | 1200 | JCN      |
| 2/2/2006  | 0.00                                                 |                                                         | 1100 | JCN      |
| 2/3/2006  |                                                      |                                                         |      |          |
| 2/4/2006  |                                                      |                                                         |      |          |
| 2/5/2006  |                                                      |                                                         |      |          |
| 2/6/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 2/7/2006  | 0.00                                                 |                                                         | 1000 | JCN      |
| 2/8/2006  | 0.00                                                 |                                                         | 1130 | JCN      |
| 2/9/2006  | 0.00                                                 |                                                         | 1200 | JCN      |
| 2/10/2006 | 0.00                                                 |                                                         | 1300 | JCN      |
| 2/11/2006 |                                                      |                                                         |      |          |
| 2/12/2006 |                                                      |                                                         |      |          |
| 2/13/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 2/14/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 2/15/2006 | 0.00                                                 |                                                         | 1100 | JCN      |
| 2/16/2006 | 0.00                                                 |                                                         | 1200 | JCN      |
| 2/17/2006 | 0.00                                                 |                                                         | 1200 | JCN      |
| 2/18/2006 |                                                      |                                                         |      |          |
| 2/19/2006 |                                                      |                                                         |      |          |
| 2/20/2006 |                                                      |                                                         |      |          |
| 2/21/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 2/22/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 2/23/2006 | 0.00                                                 |                                                         | 1000 | JCN      |
| 2/24/2006 | 0.00                                                 |                                                         | 1200 | JCN      |
| 2/25/2006 |                                                      |                                                         |      |          |
| 2/26/2006 |                                                      |                                                         |      |          |
| 2/27/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 2/28/2006 | 0.15                                                 |                                                         | 1400 | JCN      |
|           |                                                      |                                                         |      |          |
| Totals:   | 0.15                                                 |                                                         |      |          |
|           |                                                      |                                                         |      |          |
|           |                                                      |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 3/1/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 3/2/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 3/3/2006  | 0.00                                                 |                                                         | 930  | JCN      |
| 3/4/2006  |                                                      |                                                         |      |          |
| 3/5/2006  |                                                      |                                                         |      |          |
| 3/6/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 3/7/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 3/8/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 3/9/2006  |                                                      |                                                         |      |          |
| 3/10/2006 |                                                      |                                                         |      |          |
| 3/11/2006 |                                                      |                                                         |      |          |
| 3/12/2006 |                                                      |                                                         |      |          |
| 3/13/2006 | 0.00                                                 |                                                         | 1000 | JCN      |
| 3/14/2006 | 0.00                                                 |                                                         | 830  | JCN      |
| 3/15/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 3/16/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 3/17/2006 | 0.00                                                 |                                                         | 930  | JCN      |
| 3/18/2006 |                                                      |                                                         |      |          |
| 3/19/2006 |                                                      |                                                         |      |          |
| 3/20/2006 | 0.40                                                 |                                                         | 800  | JCN      |
| 3/21/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 3/22/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/23/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/24/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/25/2006 | 0.00                                                 |                                                         | 1700 | JCN      |
| 3/26/2006 |                                                      |                                                         |      |          |
| 3/27/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 3/28/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 3/29/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 3/30/2006 | 0.07                                                 |                                                         | 900  | JCN      |
| 3/31/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| Totals:   | 0.47                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 4/1/2006  |                                                      |                                                         |      |          |
| 4/2/2006  |                                                      |                                                         |      |          |
| 4/3/2006  | 0.20                                                 |                                                         | 700  | JCN      |
| 4/4/2006  | 0.00                                                 |                                                         | 730  | JCN      |
| 4/5/2006  | 0.10                                                 |                                                         | 730  | JCN      |
| 4/6/2006  | 1.00                                                 |                                                         | 700  | JCN      |
| 4/7/2006  | 0.33                                                 |                                                         | 800  | JCN      |
| 4/8/2006  |                                                      |                                                         |      |          |
| 4/9/2006  |                                                      |                                                         |      |          |
| 4/10/2006 |                                                      |                                                         |      |          |
| 4/11/2006 |                                                      |                                                         |      |          |
| 4/12/2006 |                                                      |                                                         |      |          |
| 4/13/2006 |                                                      |                                                         |      |          |
| 4/14/2006 |                                                      |                                                         |      |          |
| 4/15/2006 |                                                      |                                                         |      |          |
| 4/16/2006 |                                                      |                                                         |      |          |
| 4/17/2006 | 0.30                                                 |                                                         | 900  | JCN      |
| 4/18/2006 | Trc                                                  |                                                         | 900  | JCN      |
| 4/19/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 4/20/2006 | 0.00                                                 |                                                         | 630  | JCN      |
| 4/21/2006 | 0.00                                                 |                                                         | 1300 | JCN      |
| 4/22/2006 |                                                      |                                                         |      |          |
| 4/23/2006 | 0.30                                                 |                                                         | 900  | JCN      |
| 4/24/2006 |                                                      |                                                         |      |          |
| 4/25/2006 |                                                      |                                                         |      |          |
| 4/26/2006 |                                                      |                                                         |      |          |
| 4/27/2006 |                                                      |                                                         |      |          |
| 4/28/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 4/29/2006 |                                                      |                                                         |      |          |
| 4/30/2006 |                                                      |                                                         |      |          |
| Totals:   | 2.23                                                 |                                                         |      |          |

**ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST**

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 5/1/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 5/2/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 5/3/2006  | 0.00                                                 |                                                         | 1000 | JCN      |
| 5/4/2006  | 0.00                                                 |                                                         | 1500 | JCN      |
| 5/5/2006  | 0.00                                                 |                                                         | 1000 | JCN      |
| 5/6/2006  |                                                      |                                                         |      |          |
| 5/7/2006  |                                                      |                                                         |      |          |
| 5/8/2006  | 0.00                                                 |                                                         | 700  | JCN      |
| 5/9/2006  | 0.00                                                 |                                                         | 1300 | JCN      |
| 5/10/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 5/11/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/12/2006 |                                                      |                                                         |      |          |
| 5/13/2006 |                                                      |                                                         |      |          |
| 5/14/2006 | 0.00                                                 |                                                         | 1030 | JCN      |
| 5/15/2006 | 0.00                                                 |                                                         | 730  | JCN      |
| 5/16/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 5/17/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/18/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/19/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/20/2006 |                                                      |                                                         |      | JCN      |
| 5/21/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/22/2006 | 0.00                                                 |                                                         | 700  |          |
| 5/23/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/24/2006 | 0.00                                                 |                                                         | 600  | JCN      |
| 5/25/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/26/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 5/27/2006 |                                                      |                                                         |      |          |
| 5/28/2006 |                                                      |                                                         |      |          |
| 5/29/2006 |                                                      |                                                         |      |          |
| 5/30/2006 | 1.25                                                 | Sum of 5/27-29                                          | 700  | JCN      |
| 5/31/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| Totals:   | 1.25                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 6/1/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 6/2/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 6/3/2006  |                                                      |                                                         |      |          |
| 6/4/2006  |                                                      |                                                         |      |          |
| 6/5/2006  | 0.10                                                 |                                                         | 700  | JCN      |
| 6/6/2006  | 0.00                                                 |                                                         | 730  | JCN      |
| 6/7/2006  | 0.10                                                 |                                                         | 700  | JCN      |
| 6/8/2006  | 0.60                                                 |                                                         | 800  | JCN      |
| 6/9/2006  | 0.20                                                 |                                                         | 700  | JCN      |
| 6/10/2006 |                                                      |                                                         |      |          |
| 6/11/2006 |                                                      |                                                         |      |          |
| 6/12/2006 | 0.90                                                 |                                                         | 600  | BSN      |
| 6/13/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/14/2006 | 0.05                                                 |                                                         | 600  | BSN      |
| 6/15/2006 | 0.05                                                 |                                                         | 600  | BSN      |
| 6/16/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/17/2006 |                                                      |                                                         |      |          |
| 6/18/2006 |                                                      |                                                         |      |          |
| 6/19/2006 | 0.15                                                 |                                                         | 600  | BSN      |
| 6/20/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/21/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/22/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/23/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/24/2006 |                                                      |                                                         |      |          |
| 6/25/2006 |                                                      |                                                         |      |          |
| 6/26/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/27/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/28/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/29/2006 | 0.00                                                 |                                                         | 600  | BSN      |
| 6/30/2006 | 0.25                                                 |                                                         | 600  | BSN      |
| Total:    | 2.40                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 7/1/2006  | 0.00                                                 |                                                         | 1000 | JCN      |
| 7/2/2006  |                                                      |                                                         |      |          |
| 7/3/2006  |                                                      |                                                         |      |          |
| 7/4/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 7/5/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 7/6/2006  | Trc                                                  |                                                         | 630  | BSN      |
| 7/7/2006  | Trc                                                  |                                                         | 600  | JCN      |
| 7/8/2006  |                                                      |                                                         |      |          |
| 7/9/2006  | 0.00                                                 |                                                         | 1100 | JCN      |
| 7/10/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/11/2006 | 0.10                                                 |                                                         | 700  | BSN      |
| 7/12/2006 | 0.00                                                 |                                                         | 800  | BSN      |
| 7/13/2006 | 0.20                                                 |                                                         | 630  | JCN      |
| 7/14/2006 | 0.00                                                 |                                                         | 630  | JCN      |
| 7/15/2006 |                                                      |                                                         |      |          |
| 7/16/2006 |                                                      |                                                         |      |          |
| 7/17/2006 | 0.00                                                 |                                                         | 645  | JCN      |
| 7/18/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/19/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/20/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/21/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/22/2006 |                                                      |                                                         |      |          |
| 7/23/2006 |                                                      |                                                         |      |          |
| 7/24/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/25/2006 | 0.00                                                 |                                                         | 630  | JCN      |
| 7/26/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 7/27/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/28/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 7/29/2006 |                                                      |                                                         |      |          |
| 7/30/2006 |                                                      |                                                         |      |          |
| 7/31/2006 | 0.00                                                 |                                                         | 645  | JCN      |
| Total     | 0.30                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|------|----------|
| 8/1/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/2/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/3/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/4/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/5/2006  | 0.00                                                 |                                                         | 900  | JCN      |
| 8/6/2006  |                                                      |                                                         |      |          |
| 8/7/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/8/2006  | 0.00                                                 |                                                         | 700  | JCN      |
| 8/9/2006  | 0.00                                                 |                                                         | 800  | JCN      |
| 8/10/2006 | 0.00                                                 |                                                         | 900  | JCN      |
| 8/11/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 8/12/2006 |                                                      |                                                         |      |          |
| 8/13/2006 | 0.00                                                 |                                                         | 1500 | JCN      |
| 8/14/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/15/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 8/16/2006 | 0.00                                                 |                                                         | 800  | JCN      |
| 8/17/2006 | 0.10                                                 |                                                         | 600  | JCN      |
| 8/18/2006 | 0.05                                                 |                                                         | 800  | JCN      |
| 8/19/2006 |                                                      |                                                         |      |          |
| 8/20/2006 |                                                      |                                                         |      |          |
| 8/21/2006 | 0.00                                                 |                                                         | 700  | JCN      |
| 8/22/2006 |                                                      |                                                         |      | JCN      |
| 8/23/2006 |                                                      |                                                         |      | JCN      |
| 8/24/2006 |                                                      |                                                         |      | JCN      |
| 8/25/2006 |                                                      |                                                         |      | JCN      |
| 8/26/2006 |                                                      |                                                         |      | JCN      |
| 8/27/2006 |                                                      |                                                         |      |          |
| 8/28/2006 |                                                      |                                                         |      |          |
| 8/29/2006 |                                                      |                                                         |      | JCN      |
| 8/30/2006 |                                                      |                                                         |      | JCN      |
| 8/31/2006 |                                                      |                                                         |      | JCN      |
| Total     | 0.15                                                 |                                                         |      |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date      | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|-----------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 9/1/2006  | 0.00                                                 |                                                         | 7:00 AM  | JCN      |
| 9/2/2006  |                                                      |                                                         |          |          |
| 9/3/2006  |                                                      |                                                         |          |          |
| 9/4/2006  |                                                      |                                                         |          |          |
| 9/5/2006  | 0.00                                                 |                                                         | 7:00 AM  | JCN      |
| 9/6/2006  | 0.00                                                 |                                                         | 7:00 AM  | JCN      |
| 9/7/2006  | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/8/2006  | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 9/9/2006  |                                                      |                                                         |          |          |
| 9/10/2006 | 0.00                                                 |                                                         | 11:00 AM | JCN      |
| 9/11/2006 | 0.00                                                 |                                                         | 7:00 AM  | JCN      |
| 9/12/2006 | 0.00                                                 |                                                         | 6:30 AM  | JCN      |
| 9/13/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/14/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/15/2006 | 0.02                                                 |                                                         | 7:00 AM  | JCN      |
| 9/16/2006 |                                                      |                                                         |          |          |
| 9/17/2006 |                                                      |                                                         |          |          |
| 9/18/2006 | 0.45                                                 |                                                         | 7:00 AM  | JCN      |
| 9/19/2006 | 0.00                                                 |                                                         | 7:00 AM  | JCN      |
| 9/20/2006 | 0.00                                                 |                                                         | 7:00 AM  | JCN      |
| 9/21/2006 | 0.10                                                 |                                                         | 7:00 AM  | JCN      |
| 9/22/2006 | 0.15                                                 |                                                         | 7:00 AM  | JCN      |
| 9/23/2006 |                                                      |                                                         |          |          |
| 9/24/2006 |                                                      |                                                         |          |          |
| 9/25/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/26/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/27/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/28/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/29/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 9/30/2006 |                                                      |                                                         |          |          |
|           |                                                      |                                                         |          |          |
| Total     | 0.72                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 10/1/2006  |                                                      |                                                         |          |          |
| 10/2/2006  | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/3/2006  | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 10/4/2006  | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 10/5/2006  | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 10/6/2006  | 0.15                                                 |                                                         | 9:00 AM  | JCN      |
| 10/7/2006  |                                                      |                                                         |          |          |
| 10/8/2006  |                                                      |                                                         |          |          |
| 10/9/2006  | 0.45                                                 |                                                         | 10:00 AM | JCN      |
| 10/10/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/11/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/12/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/13/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/14/2006 |                                                      |                                                         |          |          |
| 10/15/2006 |                                                      |                                                         |          |          |
| 10/16/2006 | 0.20                                                 |                                                         | 7:30 AM  | JCN      |
| 10/17/2006 | 0.03                                                 |                                                         | 8:00 AM  | JCN      |
| 10/18/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 10/19/2006 |                                                      |                                                         |          |          |
| 10/20/2006 |                                                      |                                                         |          |          |
| 10/21/2006 |                                                      |                                                         |          |          |
| 10/22/2006 |                                                      |                                                         |          |          |
| 10/23/2006 | 0.20                                                 |                                                         | 1:00 PM  | JCN      |
| 10/24/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 10/25/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/26/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/27/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 10/28/2006 |                                                      |                                                         |          |          |
| 10/29/2006 |                                                      |                                                         |          |          |
| 10/30/2006 | 0.02                                                 |                                                         | 8:00 AM  | JCN      |
| 10/31/2006 | 0.00                                                 |                                                         | 7:30 AM  | JCN      |
| Total      | 1.05                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount<br>(inches) | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|------------|------------------------------------------------------|---------------------------------------------------------|----------|----------|
| 11/1/2006  | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 11/2/2006  | 0.00                                                 |                                                         | 8:00 AM  |          |
| 11/3/2006  |                                                      |                                                         |          |          |
| 11/4/2006  |                                                      |                                                         |          |          |
| 11/5/2006  |                                                      |                                                         |          |          |
| 11/6/2006  |                                                      |                                                         |          |          |
| 11/7/2006  | 0.03                                                 |                                                         | 9:00 AM  | JCN      |
| 11/8/2006  | 0.05                                                 |                                                         | 1:00 PM  | JCN      |
| 11/9/2006  | 0.00                                                 |                                                         | 10:00 AM | JCN      |
| 11/10/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 11/11/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 11/12/2006 |                                                      |                                                         |          |          |
| 11/13/2006 | 0.02                                                 |                                                         | 9:00 AM  | JCN      |
| 11/14/2006 | 0.05                                                 |                                                         | 8:00 AM  | JCN      |
| 11/15/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 11/16/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 11/17/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 11/18/2006 |                                                      |                                                         |          |          |
| 11/19/2006 |                                                      |                                                         |          |          |
| 11/20/2006 | 0.00                                                 |                                                         | 8:00 AM  | JCN      |
| 11/21/2006 | 0.00                                                 |                                                         | 10:00 AM | JCN      |
| 11/22/2006 |                                                      |                                                         |          |          |
| 11/23/2006 |                                                      |                                                         |          |          |
| 11/24/2006 | 0.15                                                 |                                                         | 2:00 PM  | JCN      |
| 11/25/2006 |                                                      |                                                         |          |          |
| 11/26/2006 |                                                      |                                                         |          |          |
| 11/27/2006 | 0.10                                                 |                                                         | 9:00 AM  | JCN      |
| 11/28/2006 | 0.03                                                 |                                                         | 1:00 PM  | JCN      |
| 11/29/2006 | 0.00                                                 |                                                         | 9:00 AM  | JCN      |
| 11/30/2006 | 0.00                                                 |                                                         | 9:30 AM  | JCN      |
| Total      | 0.43                                                 |                                                         |          |          |

ASARCO EAST HELENA PLANT  
PRECIPITATION MEASUREMENT CHECKLIST

| Date       | Total 24-Hour<br>Precipitation<br>Amount | Estimated<br>Precipitation<br>Event Duration<br>(hours) | Time     | Initials |
|------------|------------------------------------------|---------------------------------------------------------|----------|----------|
| 12/1/2006  | 0.00                                     |                                                         | 8:00 AM  | JCN      |
| 12/2/2006  |                                          |                                                         |          |          |
| 12/3/2006  | 0.00                                     |                                                         | Noon     | JCN      |
| 12/4/2006  | 0.00                                     |                                                         | 8:00 AM  | JCN      |
| 12/5/2006  | 0.05                                     |                                                         | 2:00 PM  | JCN      |
| 12/6/2006  | 0.00                                     |                                                         | 8:00 AM  | JCN      |
| 12/7/2006  | 0.00                                     |                                                         | 10:00 AM | JCN      |
| 12/8/2006  | 0.00                                     |                                                         | 7:00 AM  | JCN      |
| 12/9/2006  |                                          |                                                         |          | JCN      |
| 12/10/2006 |                                          |                                                         |          |          |
| 12/11/2006 | 0.00                                     |                                                         | 2:00 PM  | JCN      |
| 12/12/2006 | 0.00                                     |                                                         | 10:00 AM | JCN      |
| 12/13/2006 | 0.02                                     |                                                         | 8:00 AM  | JCN      |
| 12/14/2006 | 0.00                                     |                                                         | 9:00 AM  | JCN      |
| 12/15/2006 | 0.30                                     |                                                         | 10:00 AM | JCN      |
| 12/16/2006 |                                          |                                                         |          |          |
| 12/17/2006 |                                          |                                                         |          |          |
| 12/18/2006 | 0.00                                     |                                                         | 7:00 AM  | JCN      |
| 12/19/2006 | 0.00                                     |                                                         | 7:00 AM  | JCN      |
| 12/20/2006 | 0.00                                     |                                                         | 7:00 AM  | JCN      |
| 12/21/2006 | 0.00                                     |                                                         | 8:00 AM  | JCN      |
| 12/22/2006 | 0.00                                     |                                                         | 9:00 AM  | JCN      |
| 12/23/2006 |                                          |                                                         |          |          |
| 12/24/2006 |                                          |                                                         |          |          |
| 12/25/2006 |                                          |                                                         |          |          |
| 12/26/2006 | 0.00                                     |                                                         | 9:00 AM  | JCN      |
| 12/27/2006 | 0.00                                     |                                                         | 9:00 AM  | JCN      |
| 12/28/2006 | 0.25                                     |                                                         | 2:00 PM  | JCN      |
| 12/29/2006 | 0.00                                     |                                                         | 1:00 PM  | JCN      |
| 12/30/2006 |                                          |                                                         |          |          |
| 12/31/2006 |                                          |                                                         |          |          |
| Total      | 0.62                                     |                                                         |          |          |